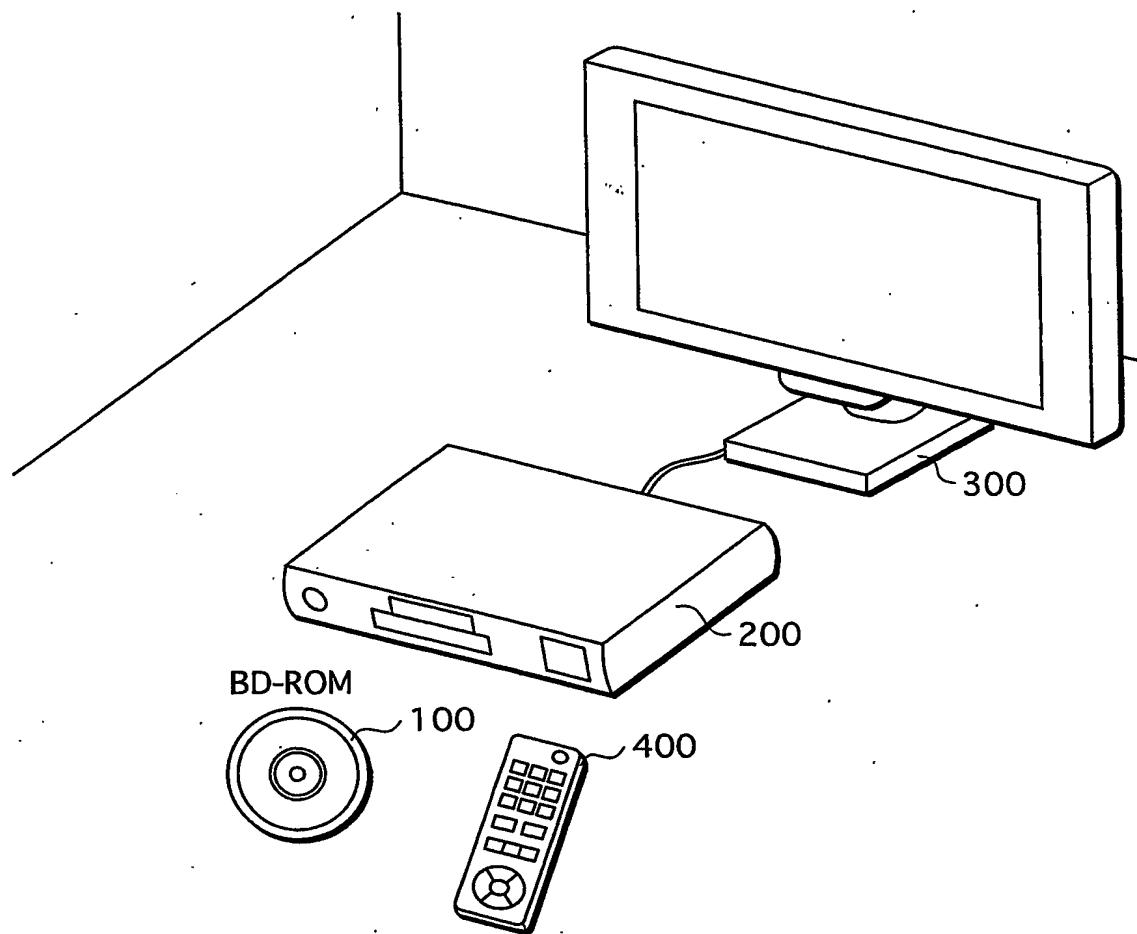
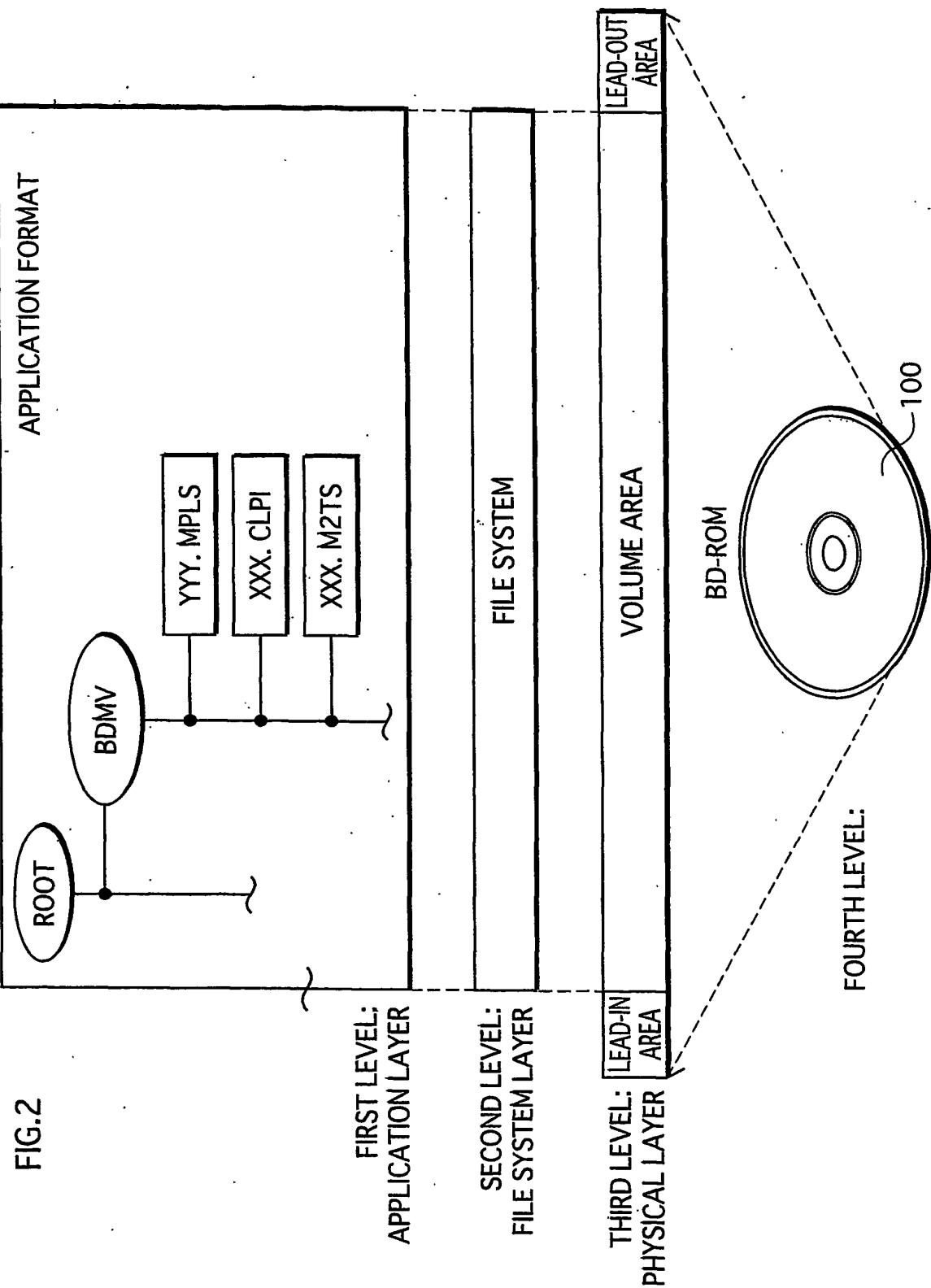
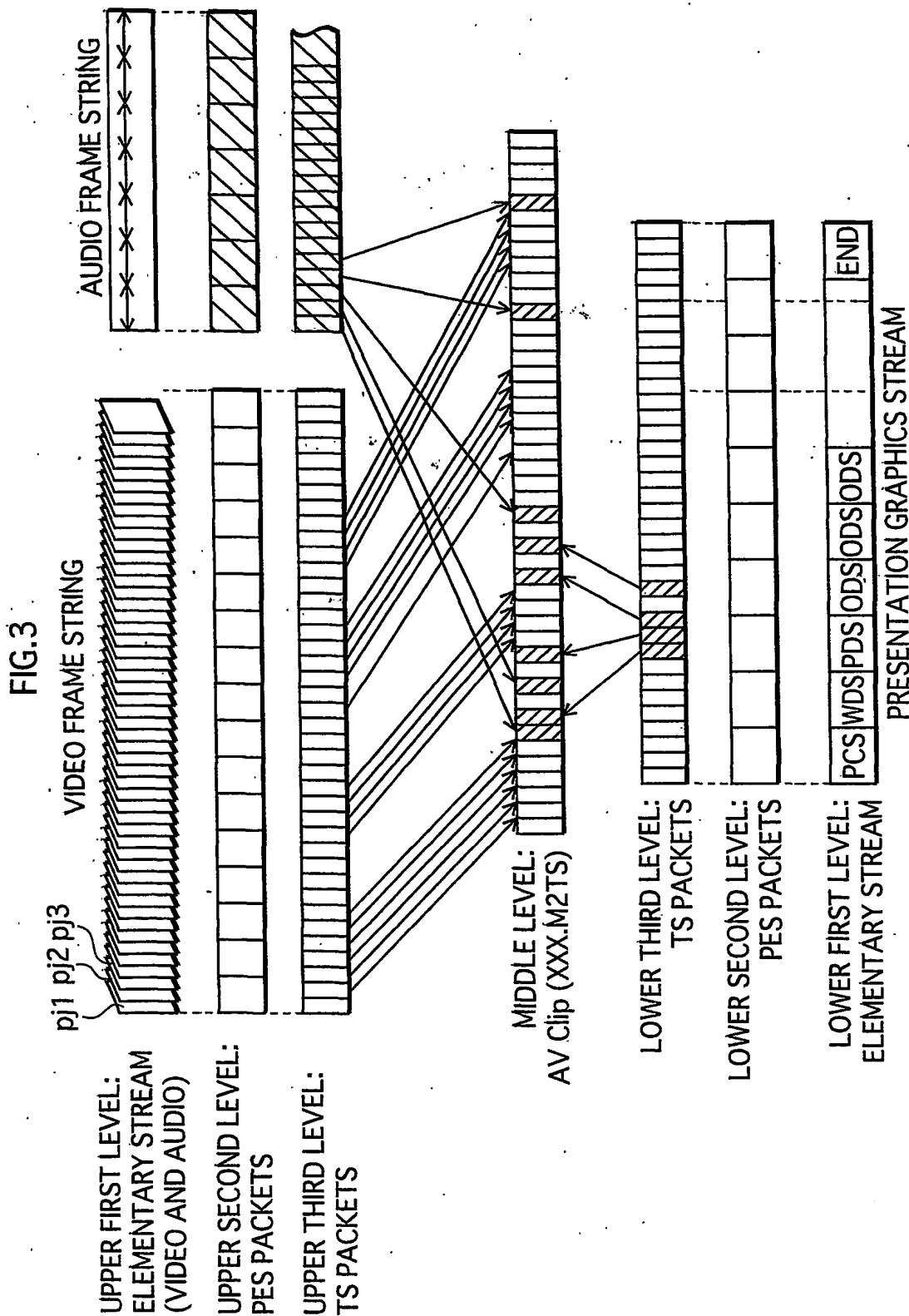


FIG.1







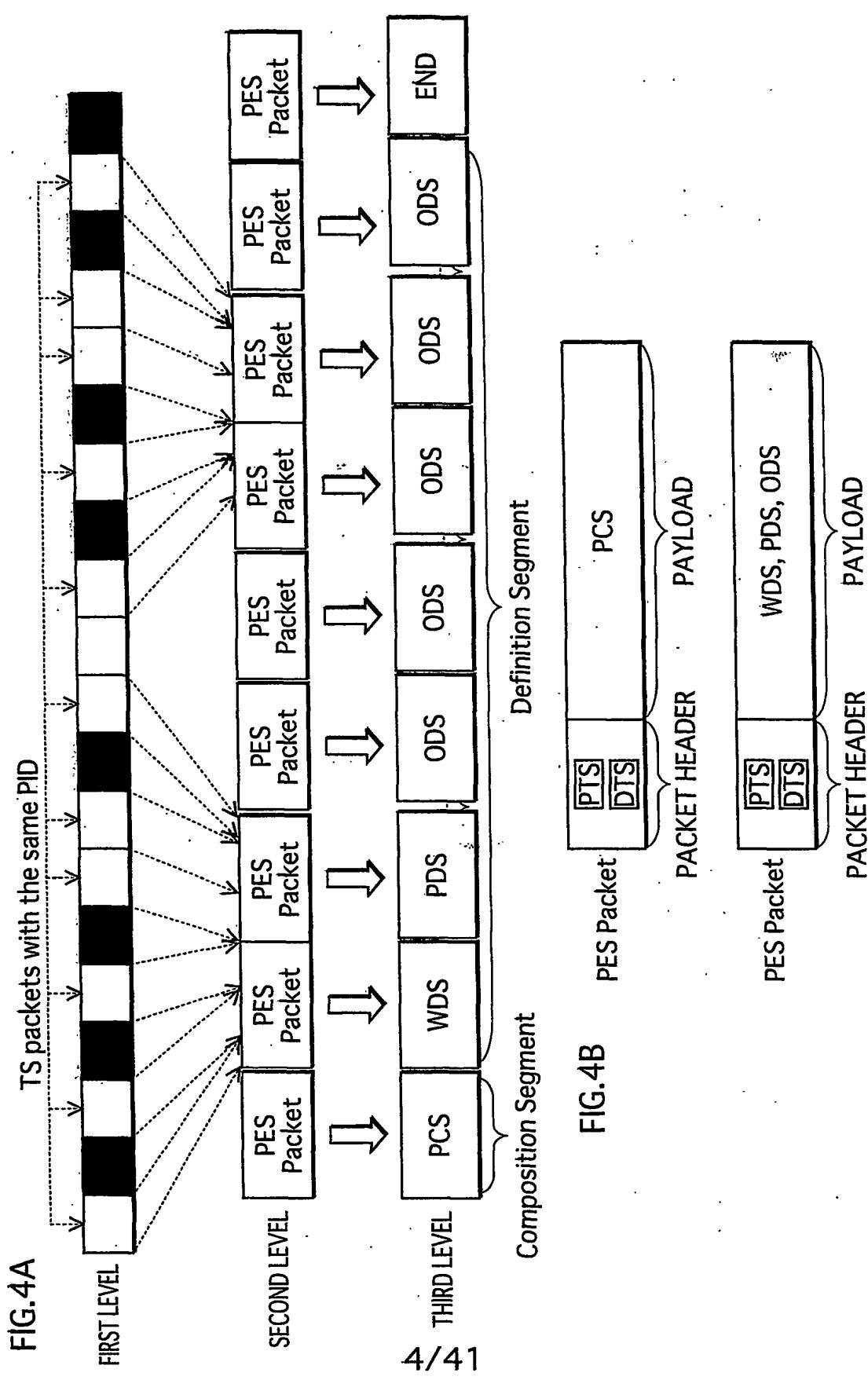


FIG.5

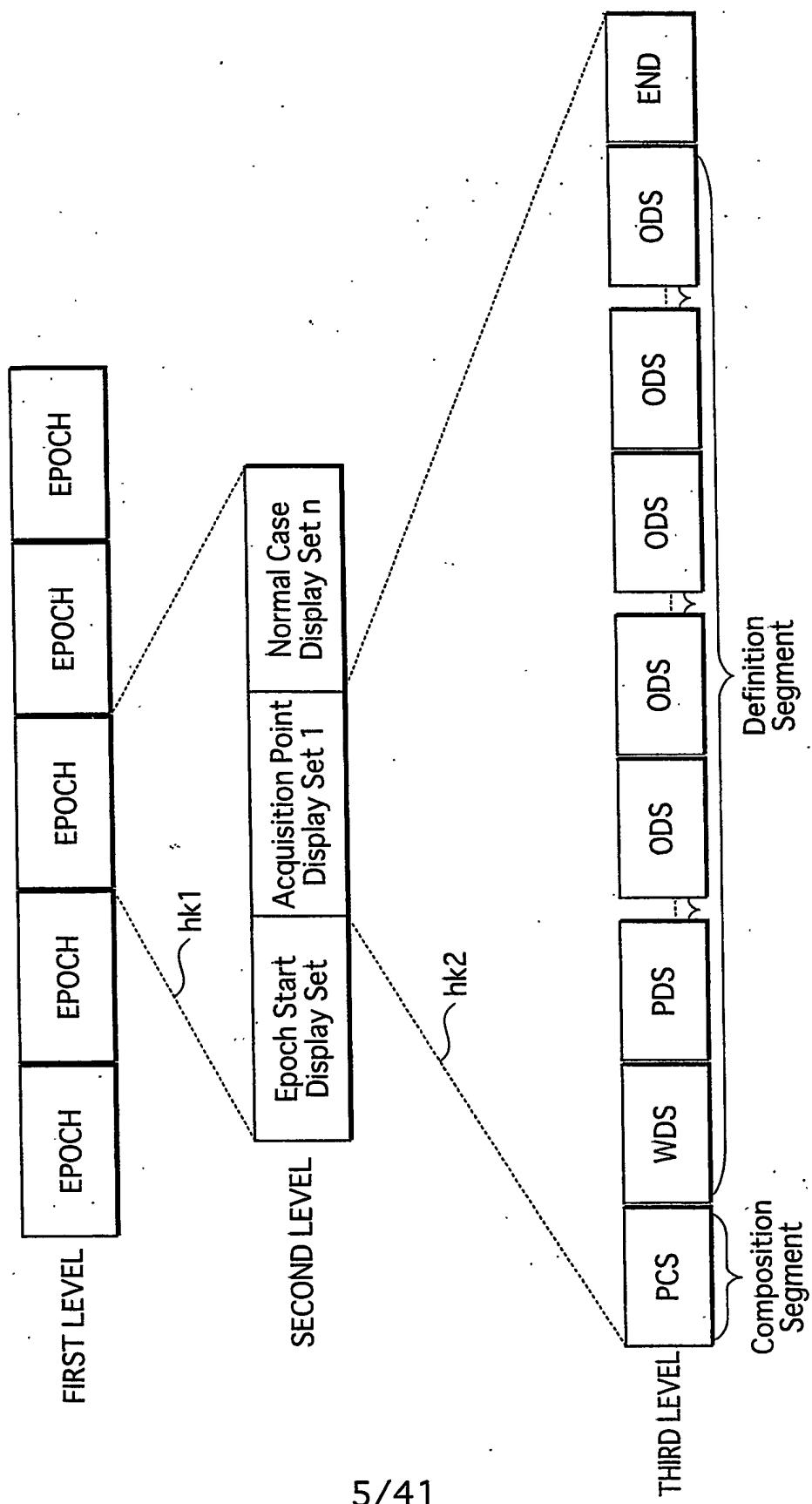


FIG. 6

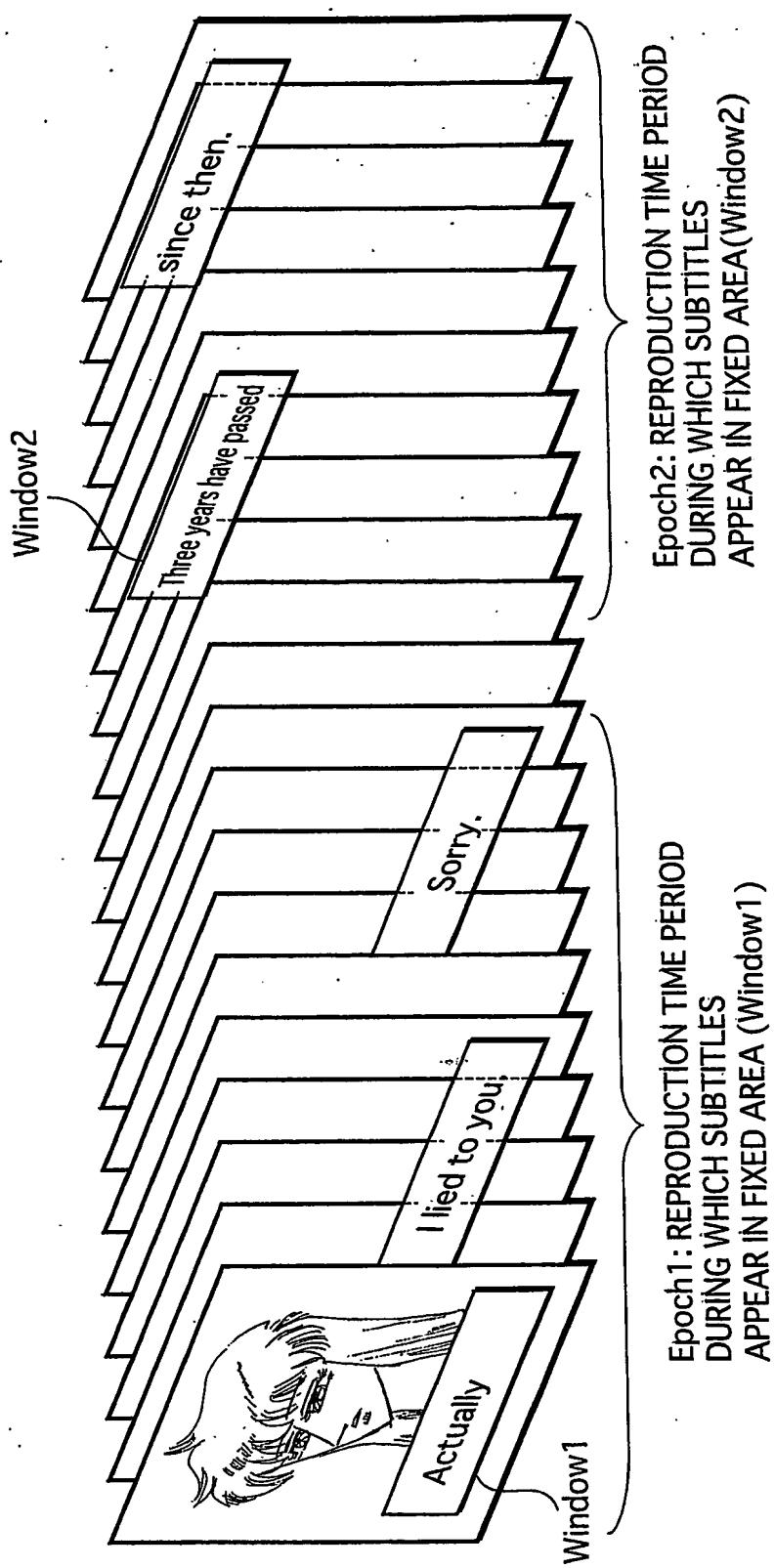


FIG.7A

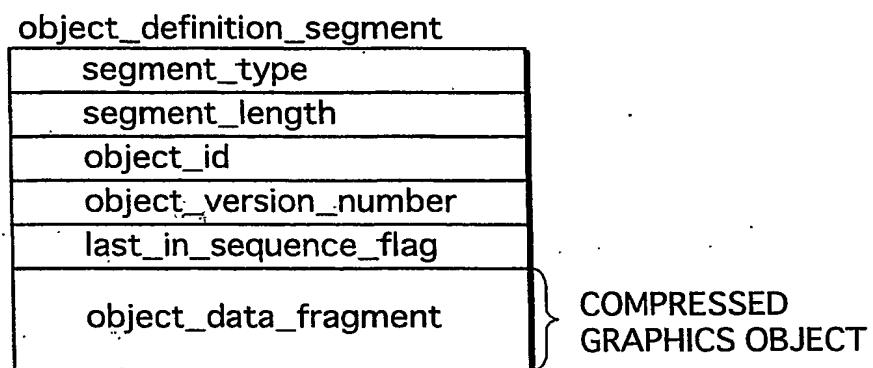


FIG.7B

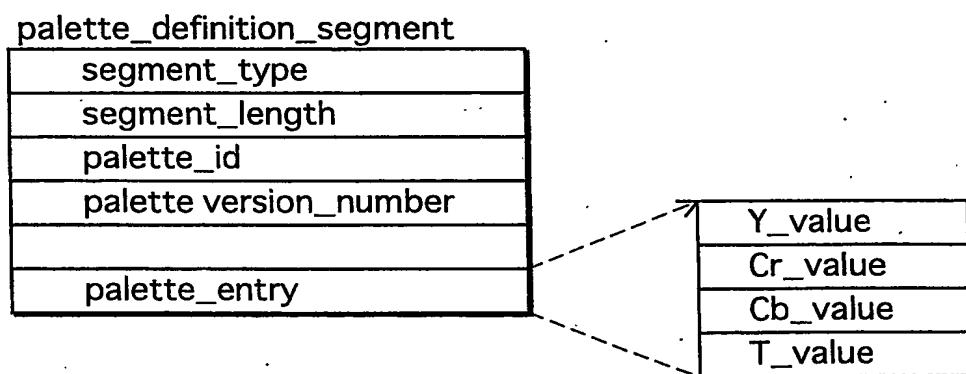


FIG.8A window\_definition\_segment

window_id
window_horizontal_position
window_vertical_position
window_width
window_height

FIG.8B presentation\_composition\_segment

segment_type
segment_length
composition_number
composition_state
wd1
palette_update_flag
composition_object(1)
composition_object(2)
⋮
composition_object(i)
⋮
composition_object(m)

8/41

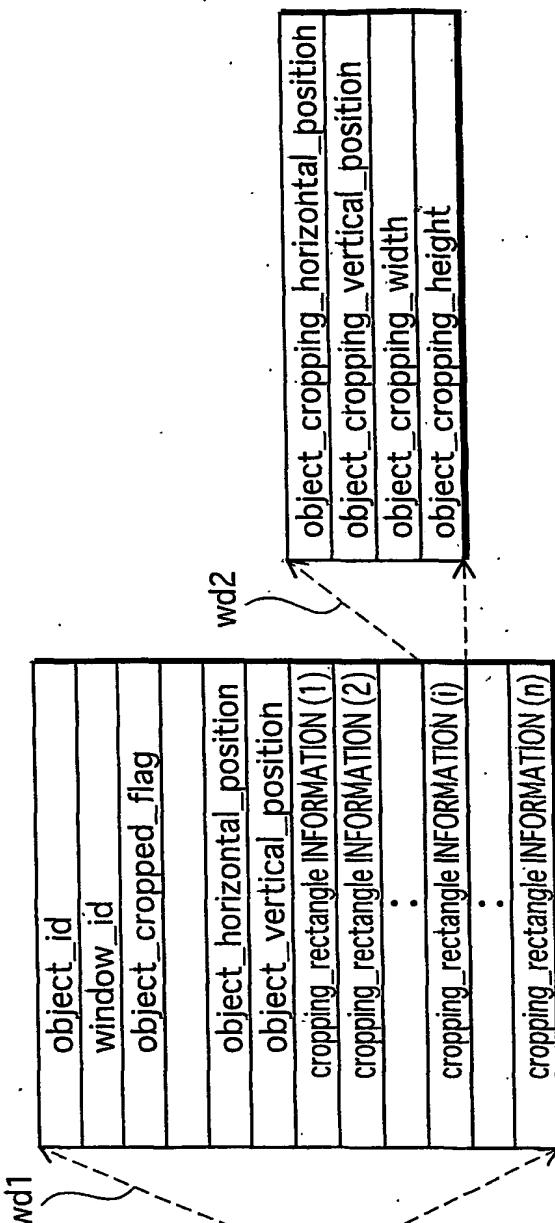


FIG.9

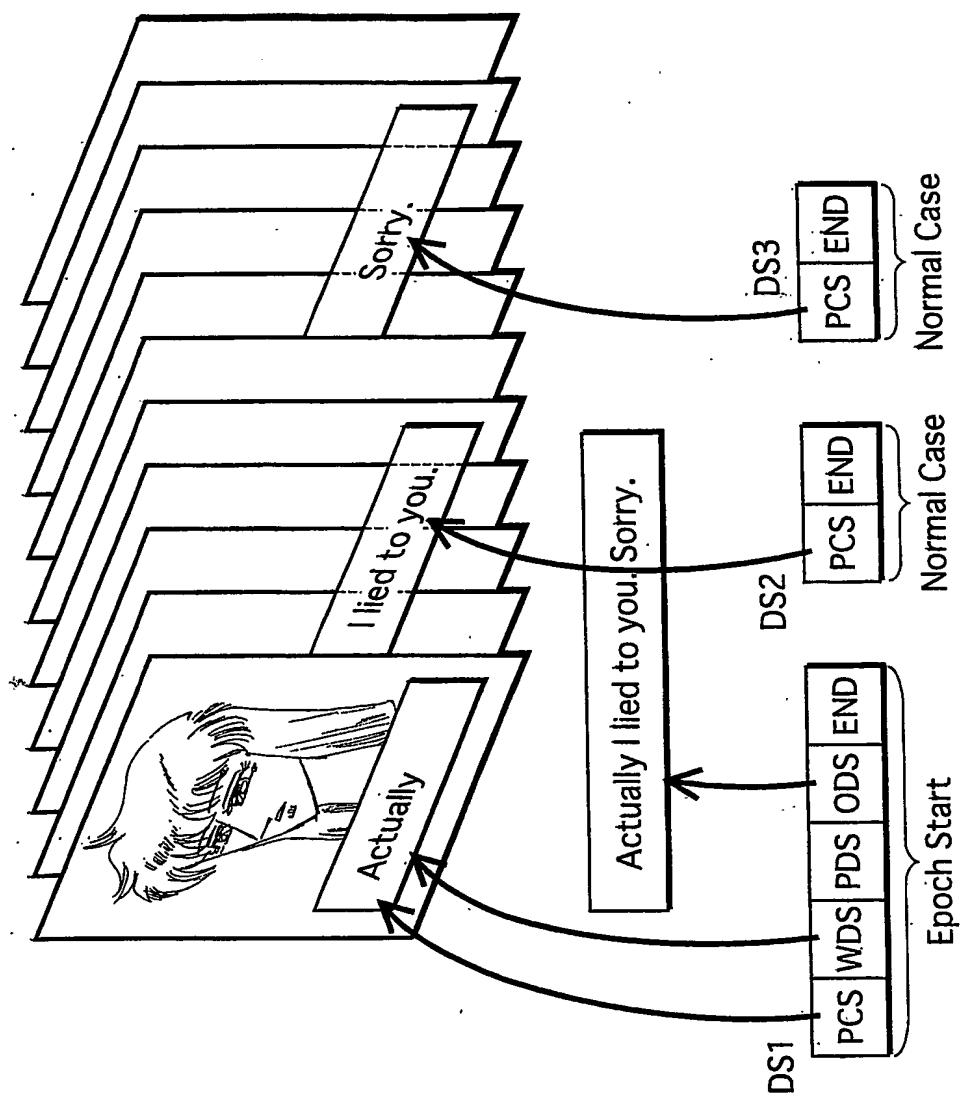


FIG.10

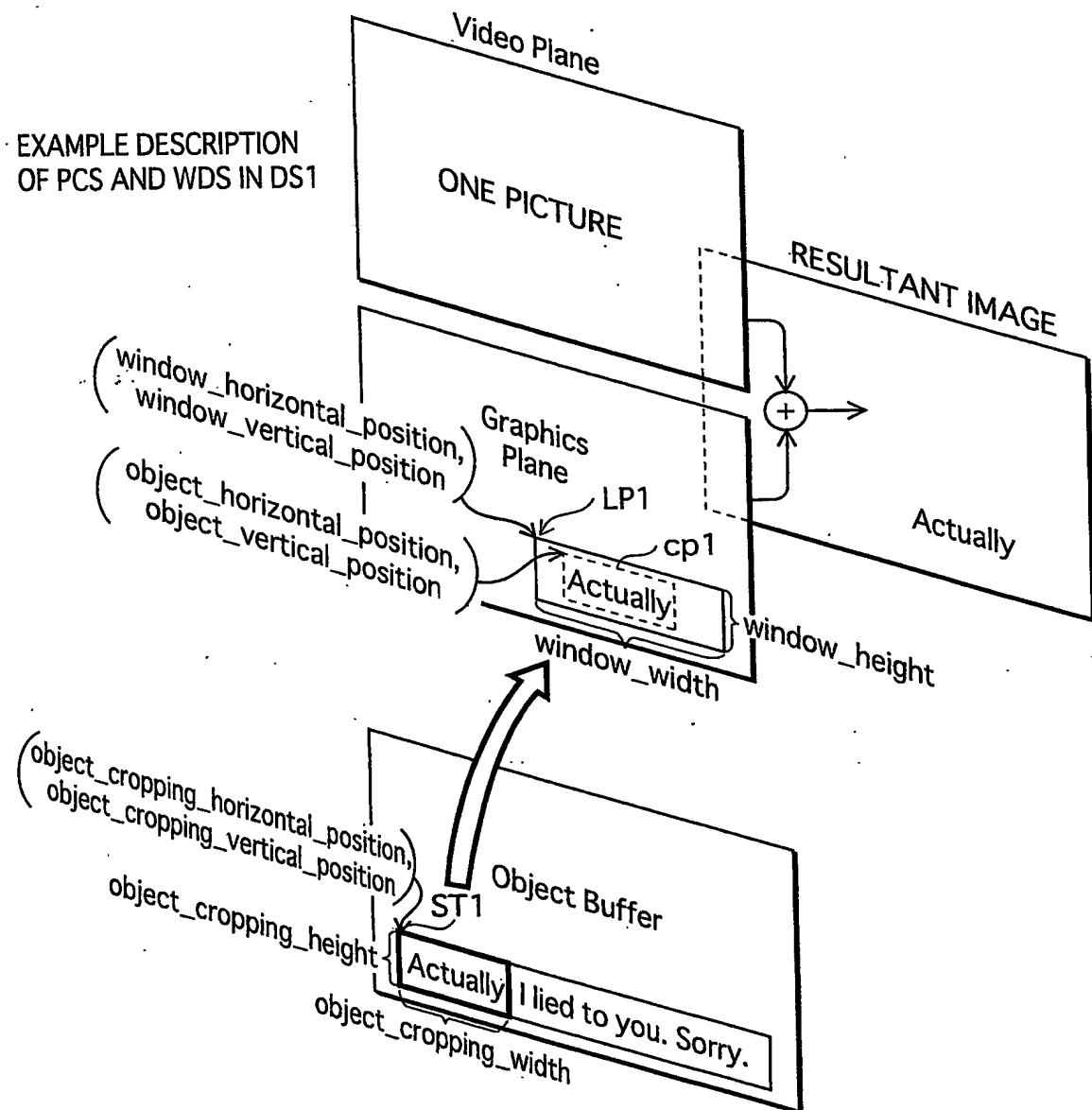


FIG.11

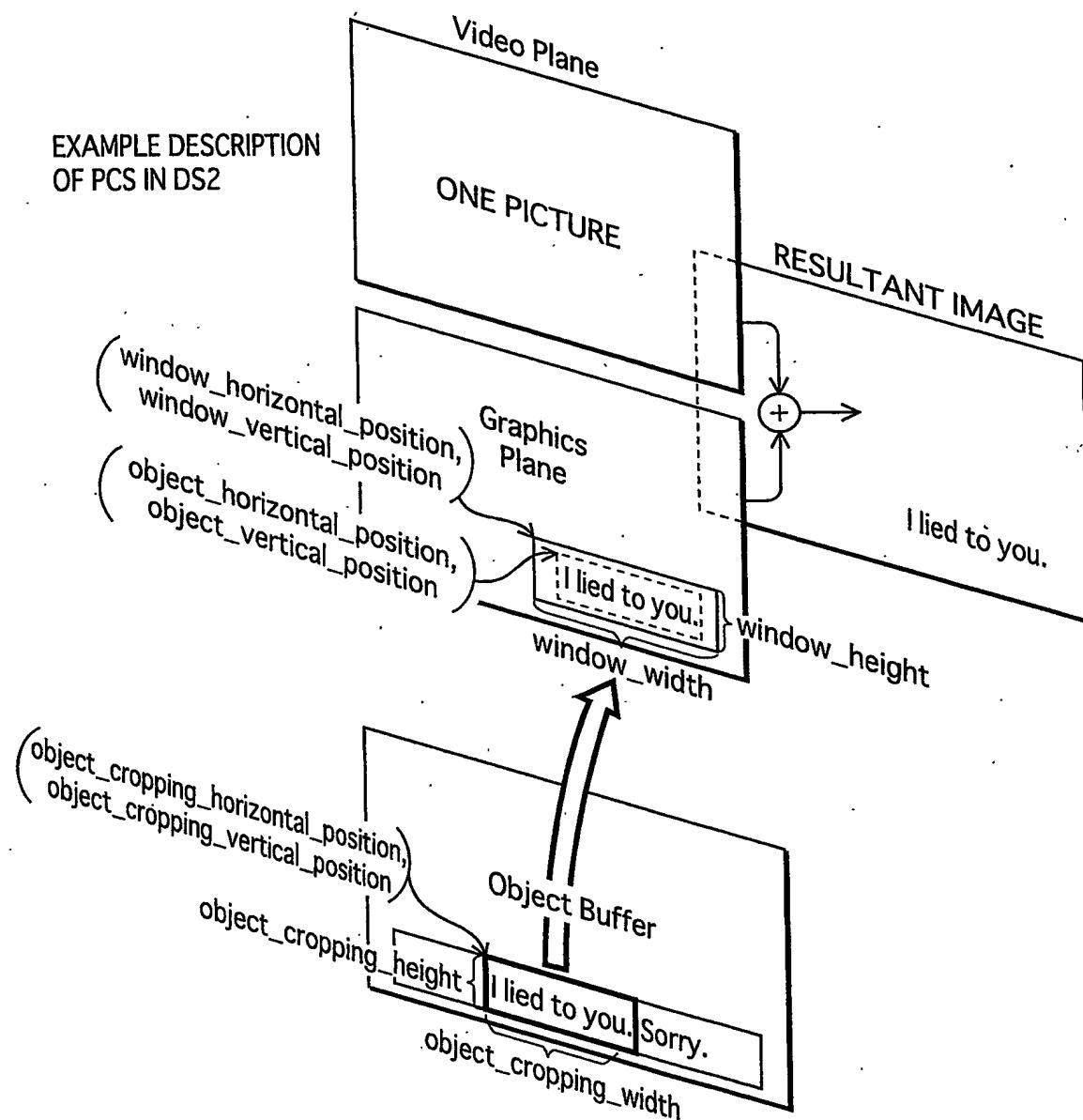


FIG.12

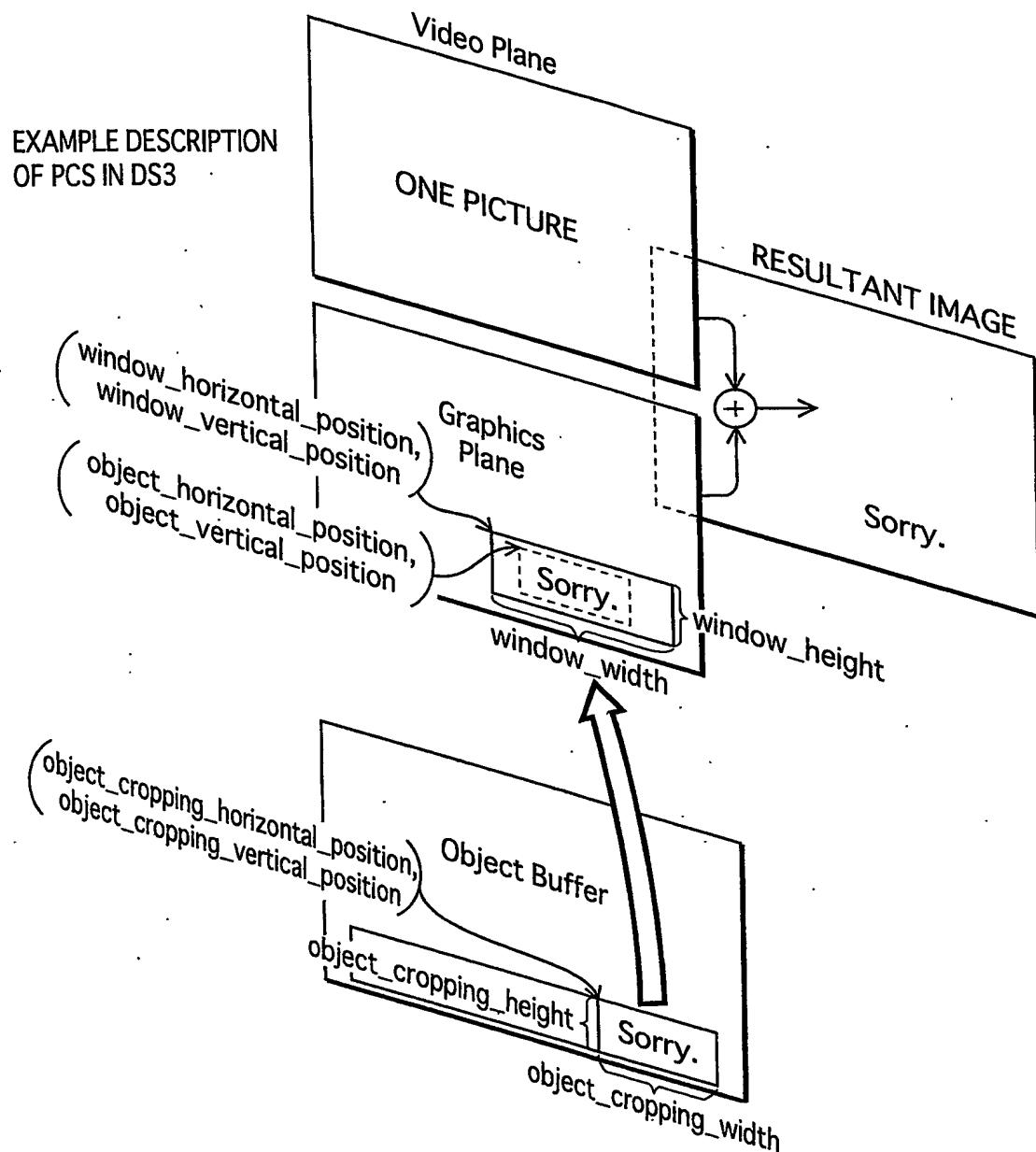
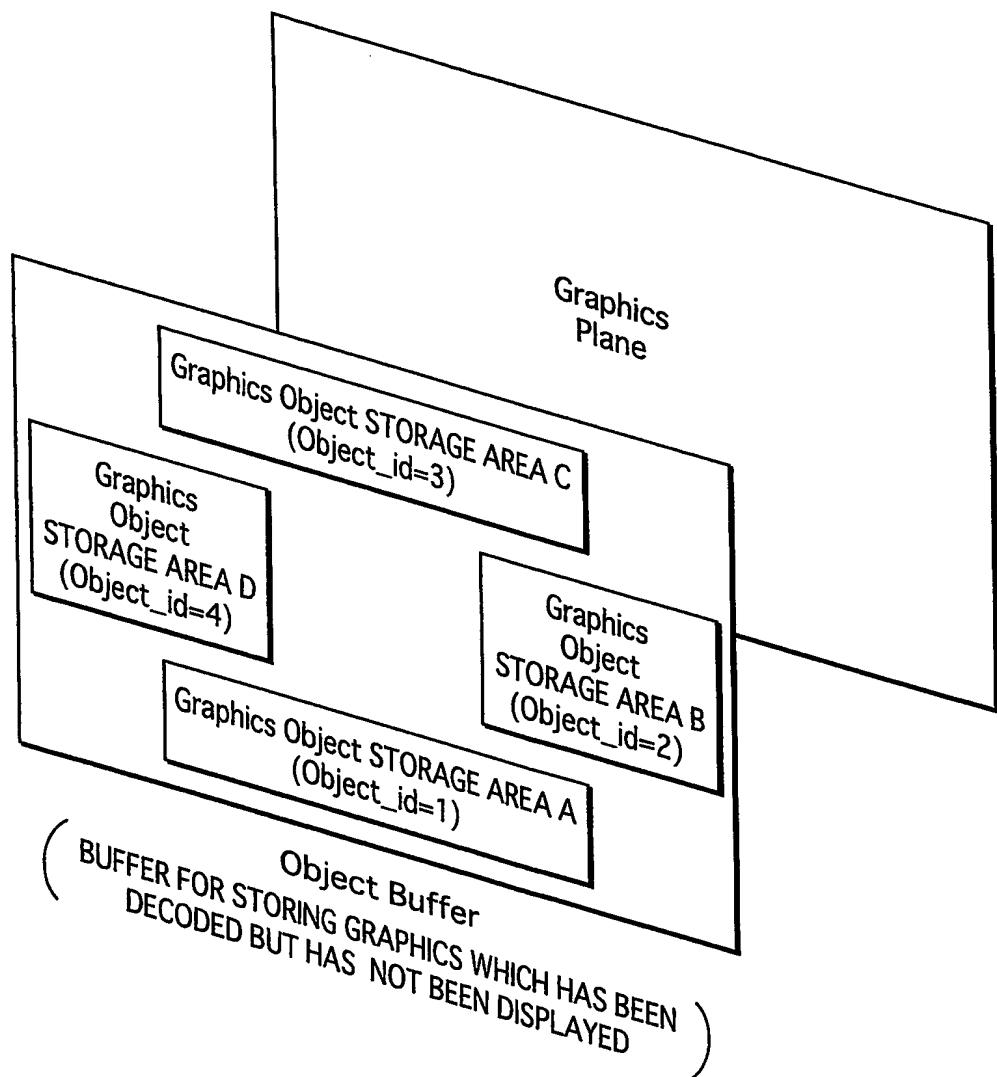


FIG.13



**FIG.14**  $\text{PTS}(\text{DSn[PCS]}) \geq \text{DTS}(\text{DSn[PCS]}) + \text{DECODEDURATION}(\text{DSn})$

Where:

- $\text{DECODEDURATION}(\text{DSn})$  is calculated as follows:

```

decode_duration = 0 ;
decode_duration += PLANEINITIALIZATIONTIME( DSn ) ;
if( DSn. PCS. num_of_objects == 2 )
{
    decode_duration += WAIT( DSn, DSn. PCS. OBJ[0], decode_duration ) ;
    if( DSn. PCS. OBJ[0]. window_id == DSn. PCS. OBJ[1]. window_id )
    {
        decode_duration += WAIT( DSn, DSn. PCS. OBJ[1], decode_duration ) ;
        decode_duration += 90000*( SIZE( DSn. PCS. OBJ[0]. window_id )//256*106 ) ;
    }
    else
    {
        decode_duration += 90000*( SIZE( DSn. PCS. OBJ[0]. window_id )//256*106 ) ;
        decode_duration += WAIT( DSn, DSn. PCS. OBJ[1], decode_duration ) ;
        decode_duration += 90000*( SIZE( DSn. PCS. OBJ[1]. window_id )//256*106 ) ;
    }
}
else if( DSn. PCS. num_of_objects == 1 )
{
    decode_duration += WAIT( DSn, DSn. PCS. OBJ[0], decode_duration ) ;
    decode_duration += 90000*( SIZE( DSn. PCS. OBJ[0]. window_id )//256*106 ) ;
}
return decode_duration ;

```

- $\text{PLANEINITIALIZATIONTIME}(\text{DSn})$  is calculated as follows:

```

initialize_duration=0 ;
if( DSn. PCS. composition_state== EPOCH_START )
{
    initialize_duration = 90000*( 8*video_width*video_height//256*106 ) ;
}
else
{
    for( i=0 ; i < WDS. num_windows ; i++ )
    {
        if( EMPTY(DSn.WDS.WIN[i],DSn) )
            initialize_duration += 90000*( SIZE( DSn. WDS. WIN[i] )//256*106 ) ;
    }
}
return initialize_duration ;

```

- $\text{WAIT}(\text{DSn, OBJ, current_duration})$  is calculated as follows:

```

wait_duration = 0 ;
if( EXISTS( OBJ. object_id, DSn ) )
{
    object_definition_ready_time = PTS( GET( OBJ. object_id, DSn ) ) ;
    current_time = DTS( DSn. PCS )+current_duration ;
    if( current_time < object_definition_ready_time )
        wait_duration += object_definition_ready_time - current_time ) ;
}
return wait_duration ;

```

CALCULATION OF DECODEDURATION

FIG. 15

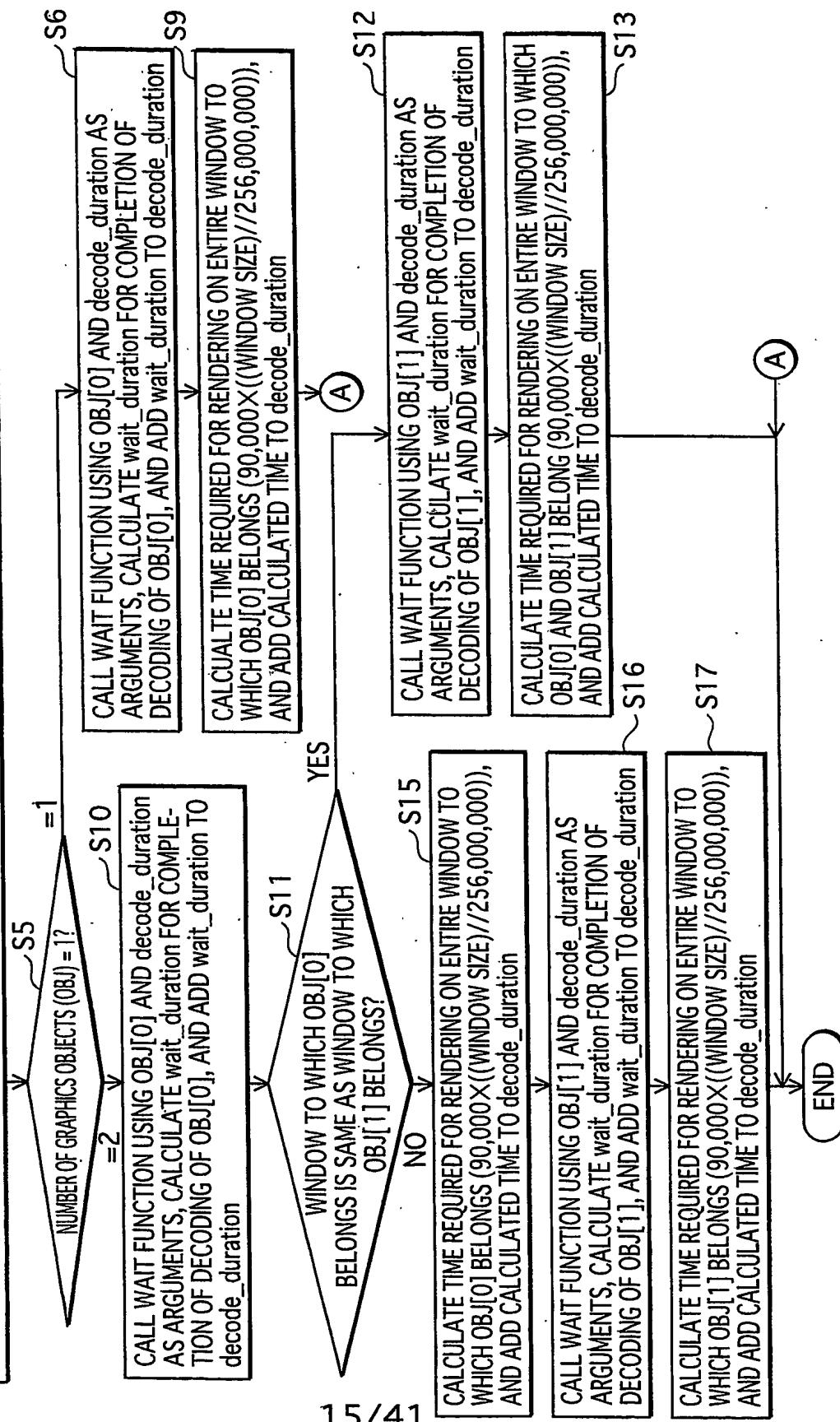


FIG.16A

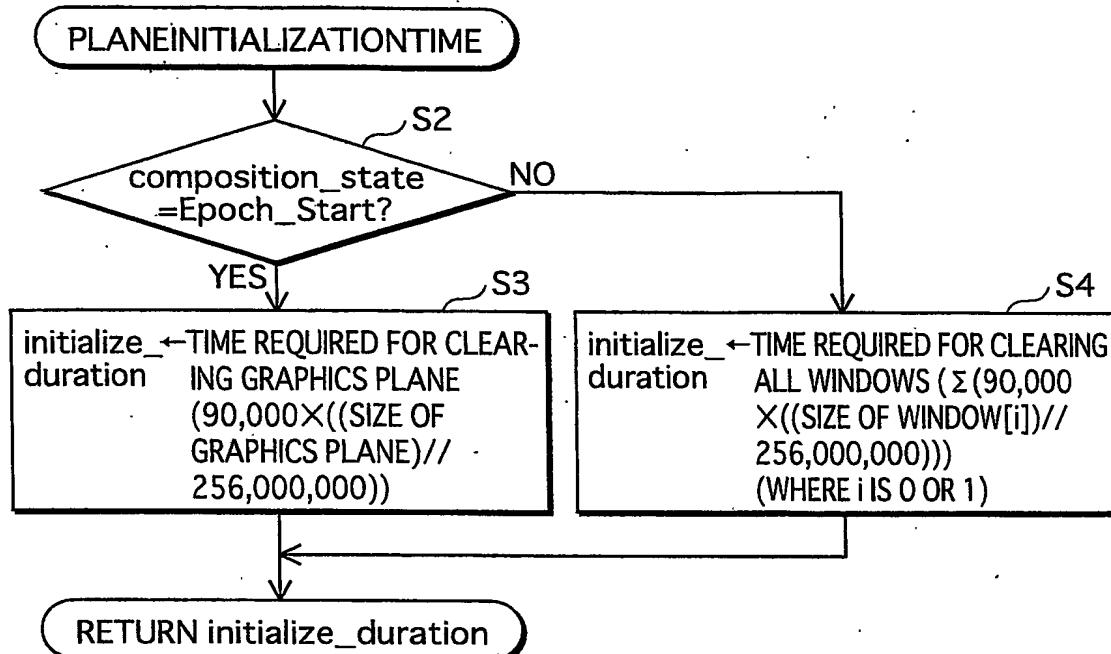


FIG.16B

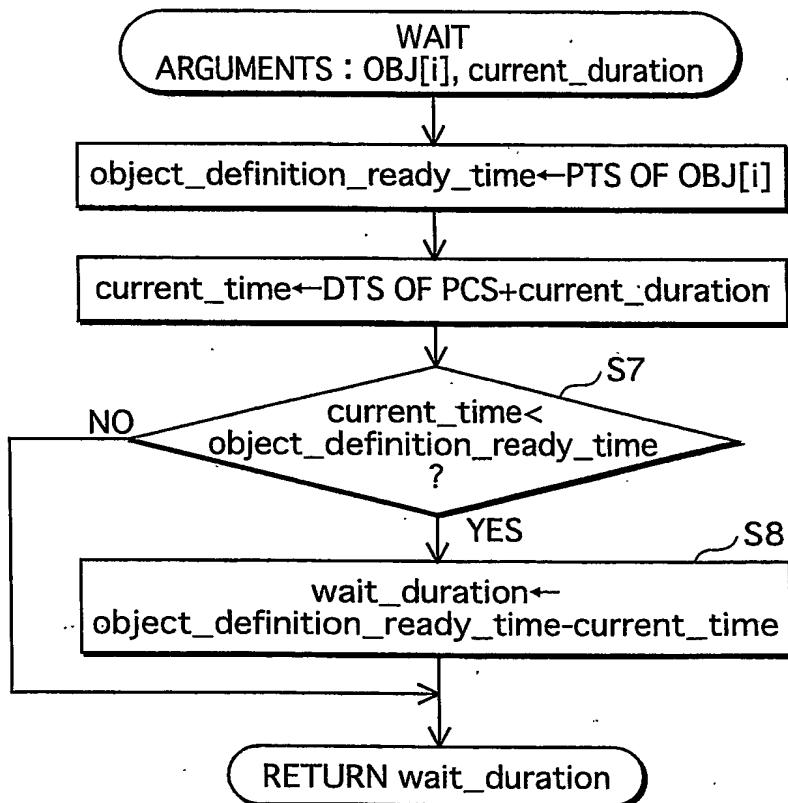


FIG.17A

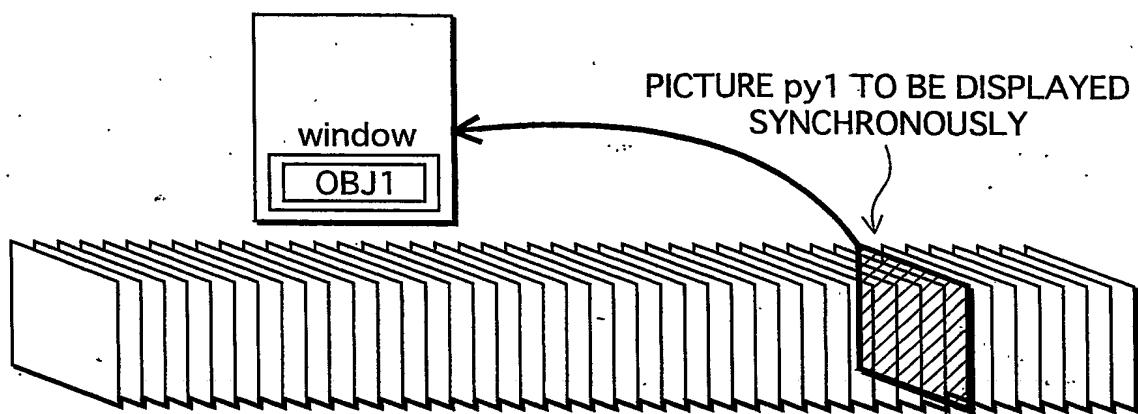


FIG.17B

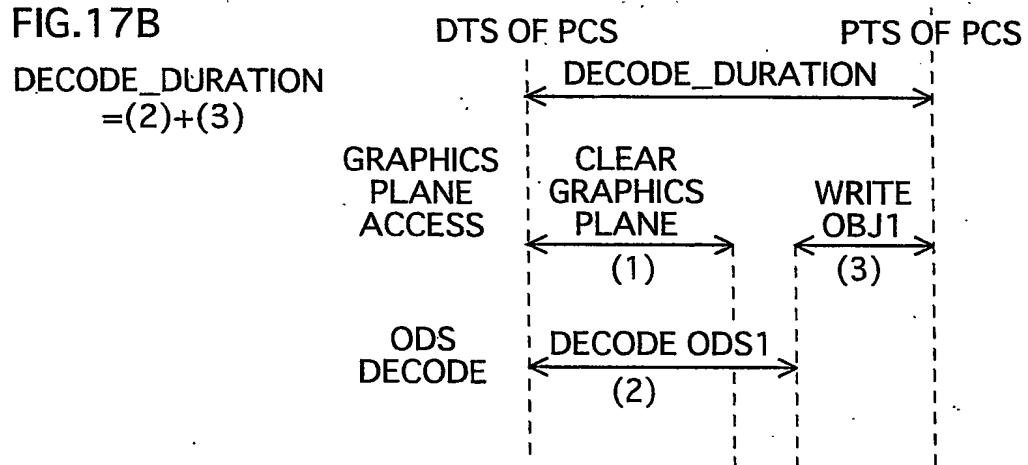


FIG.17C

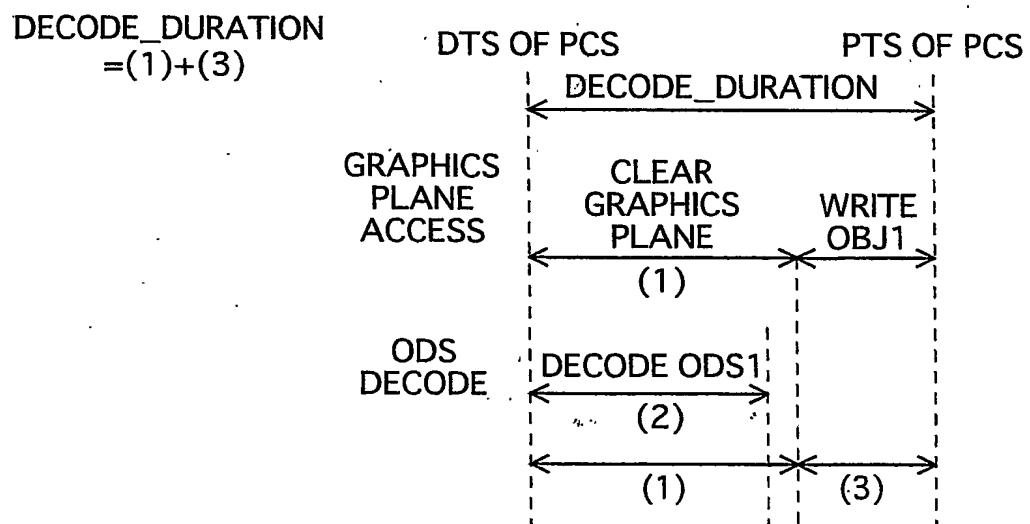


FIG.18A

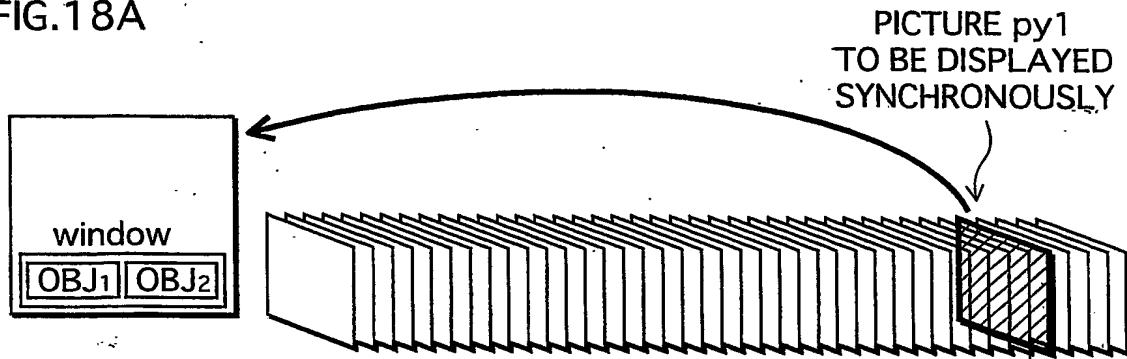


FIG.18B

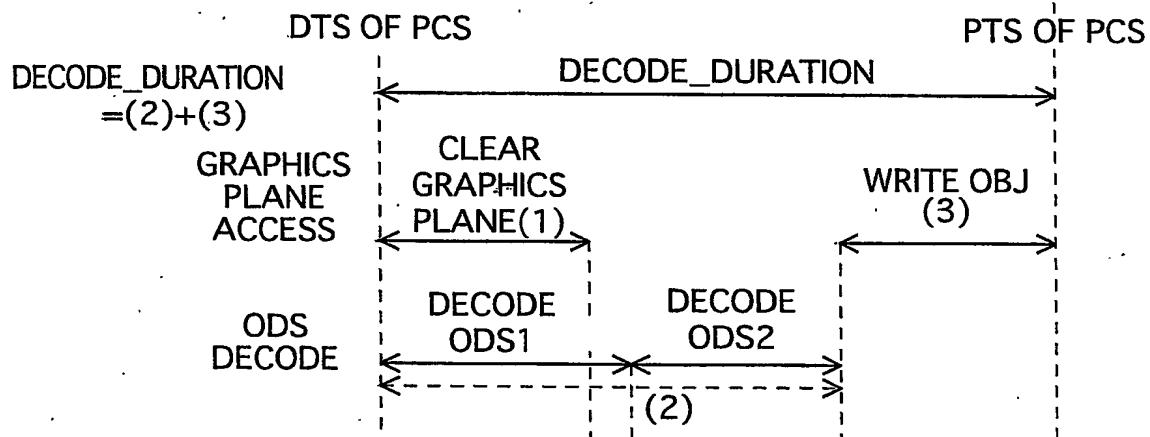
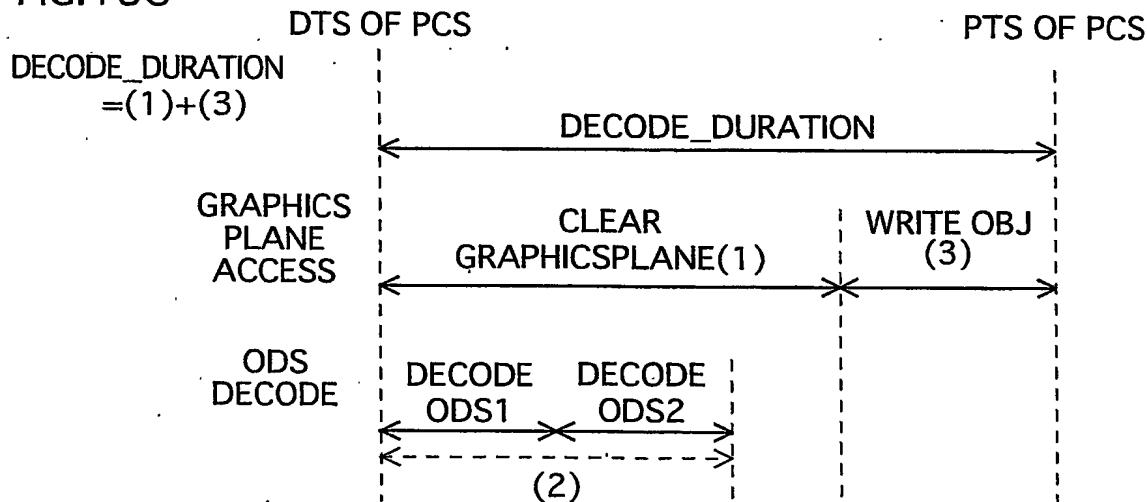


FIG.18C



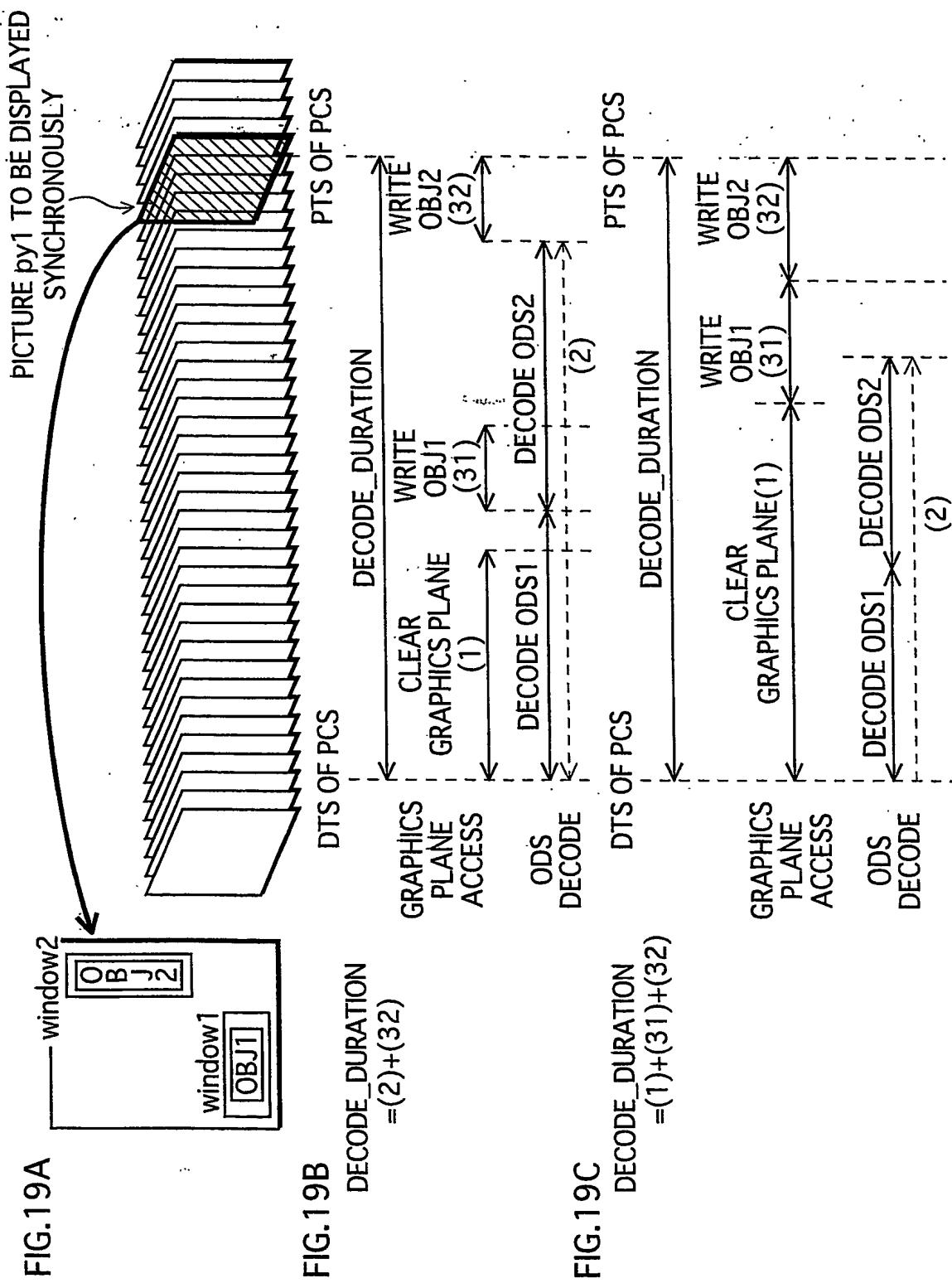


FIG.20

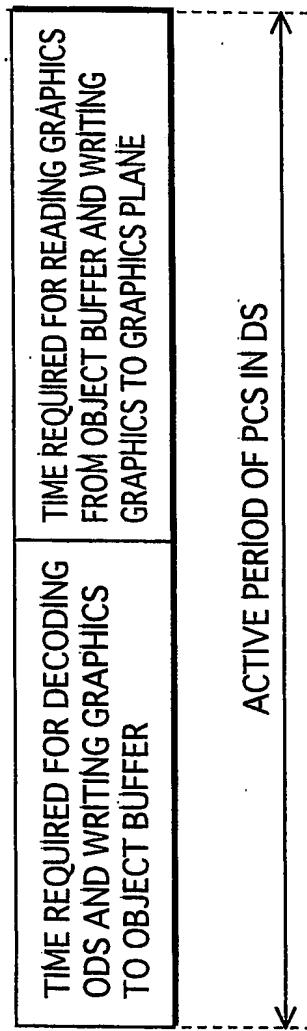
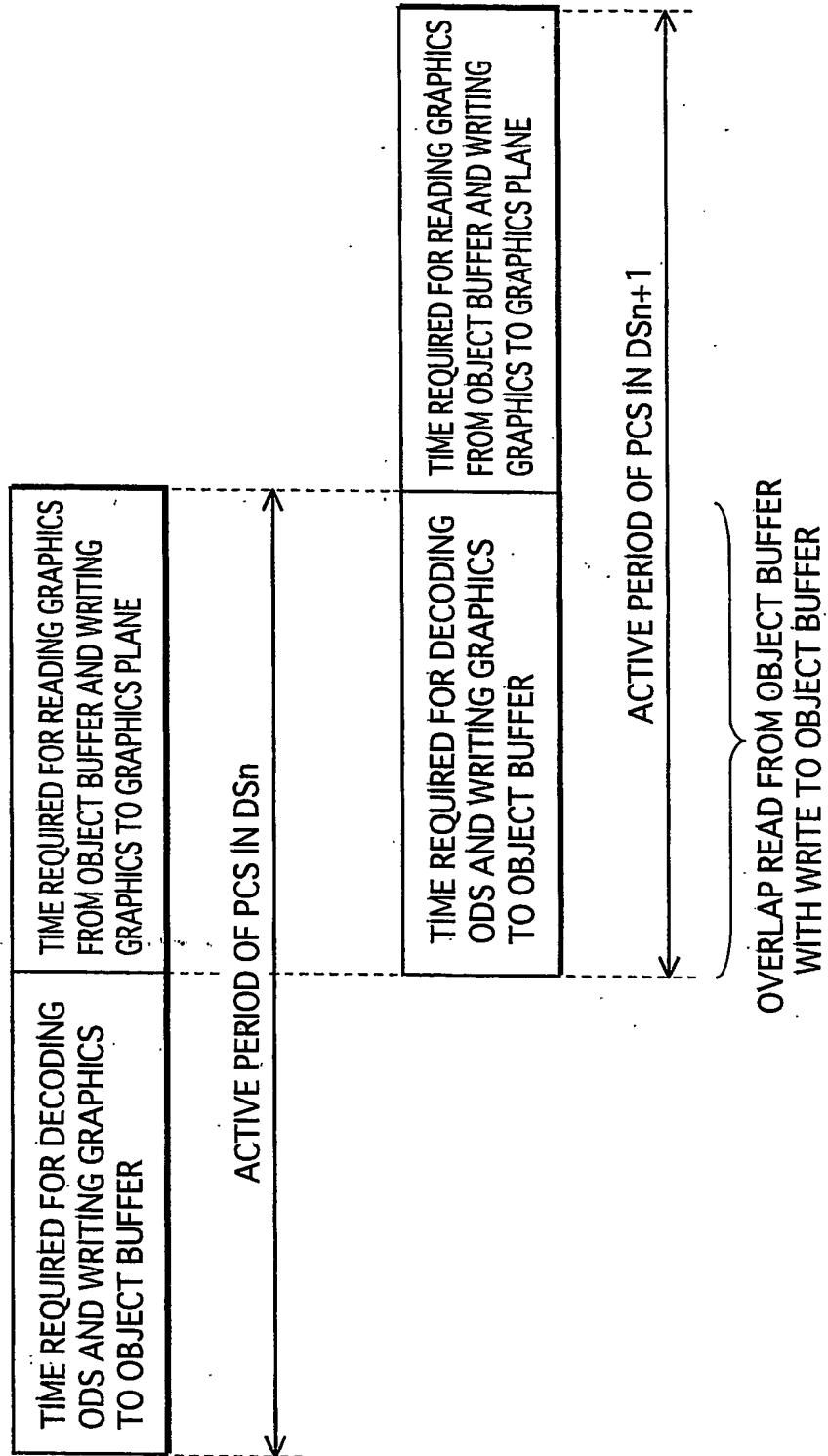


FIG.21



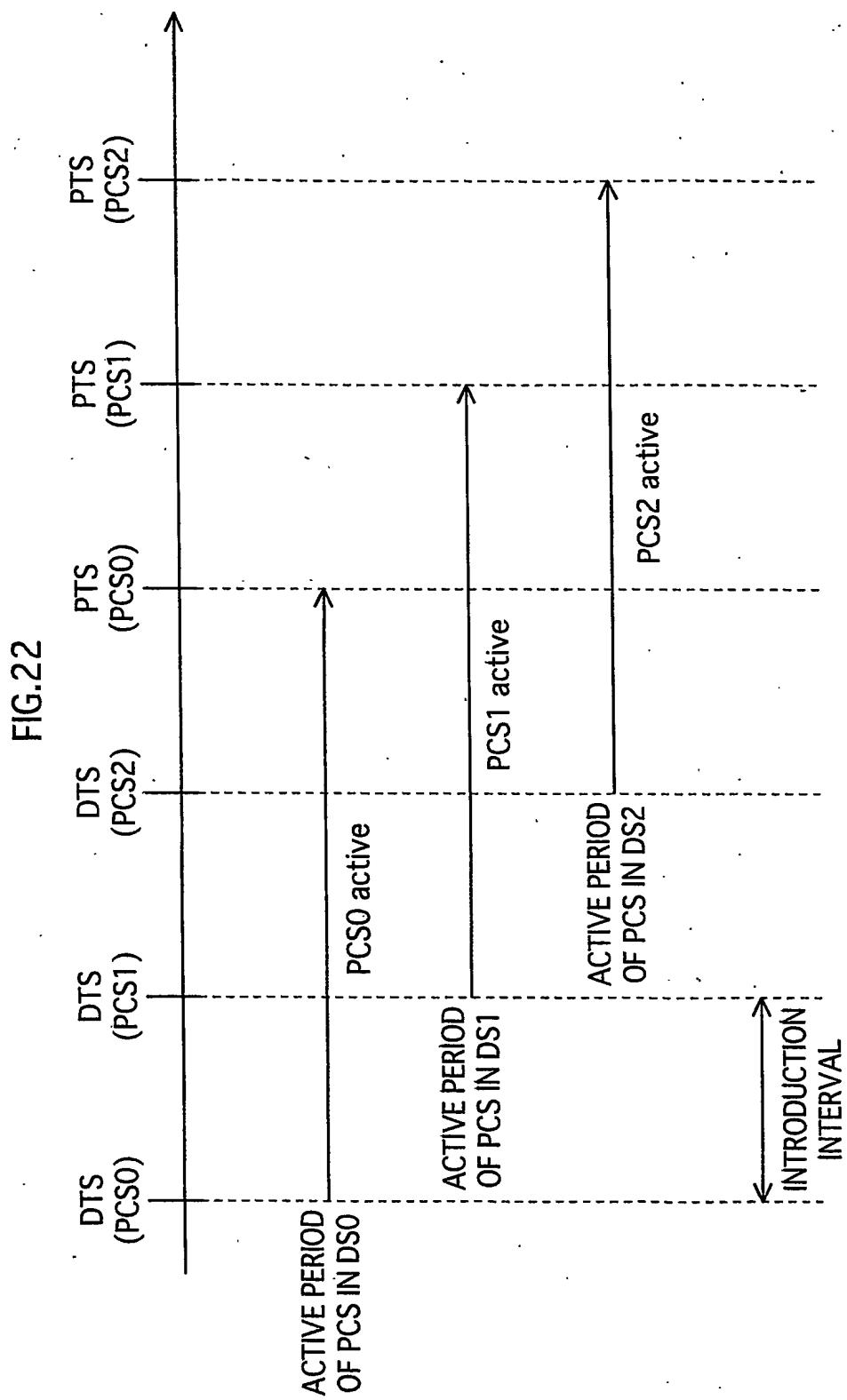


FIG.23

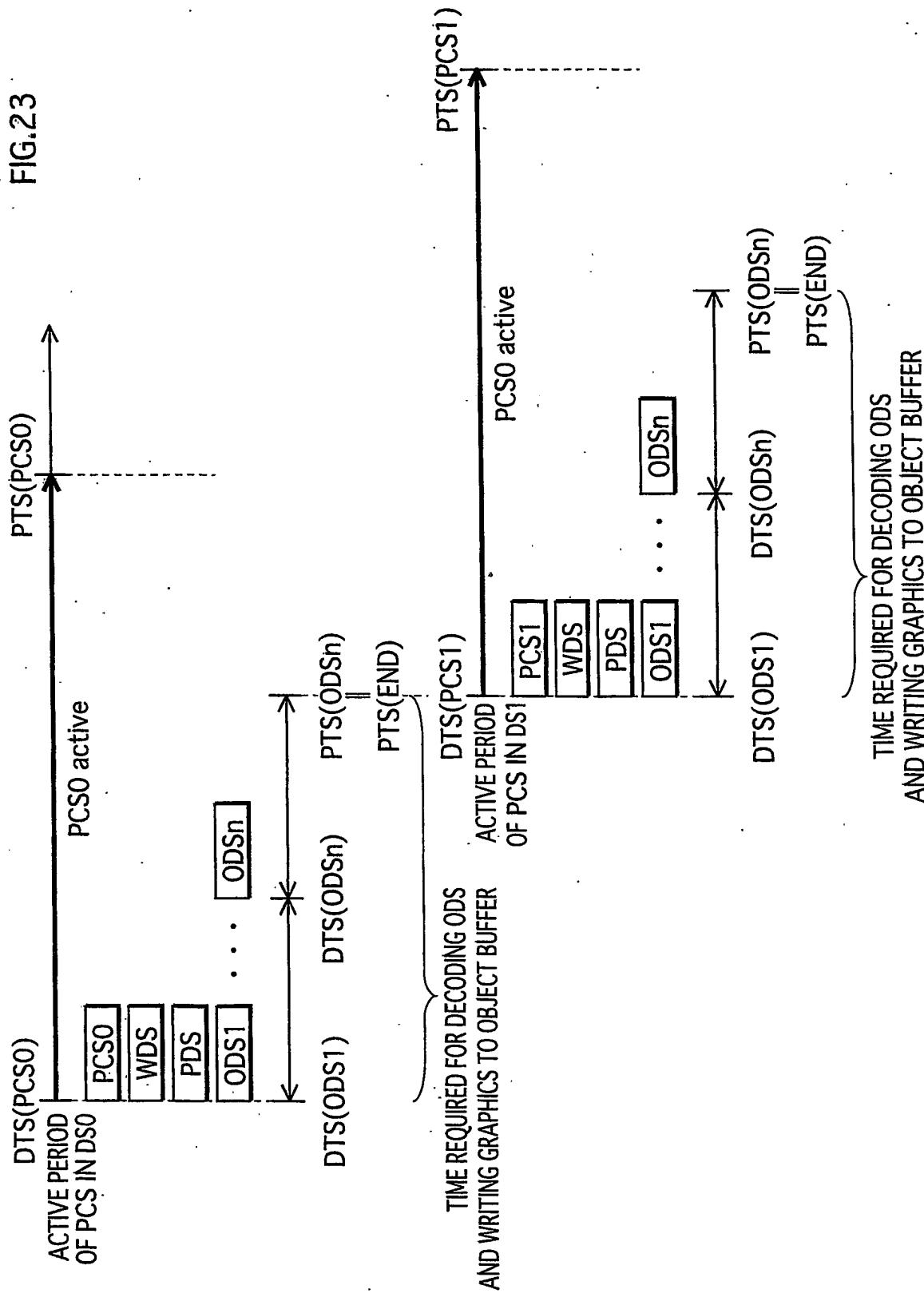
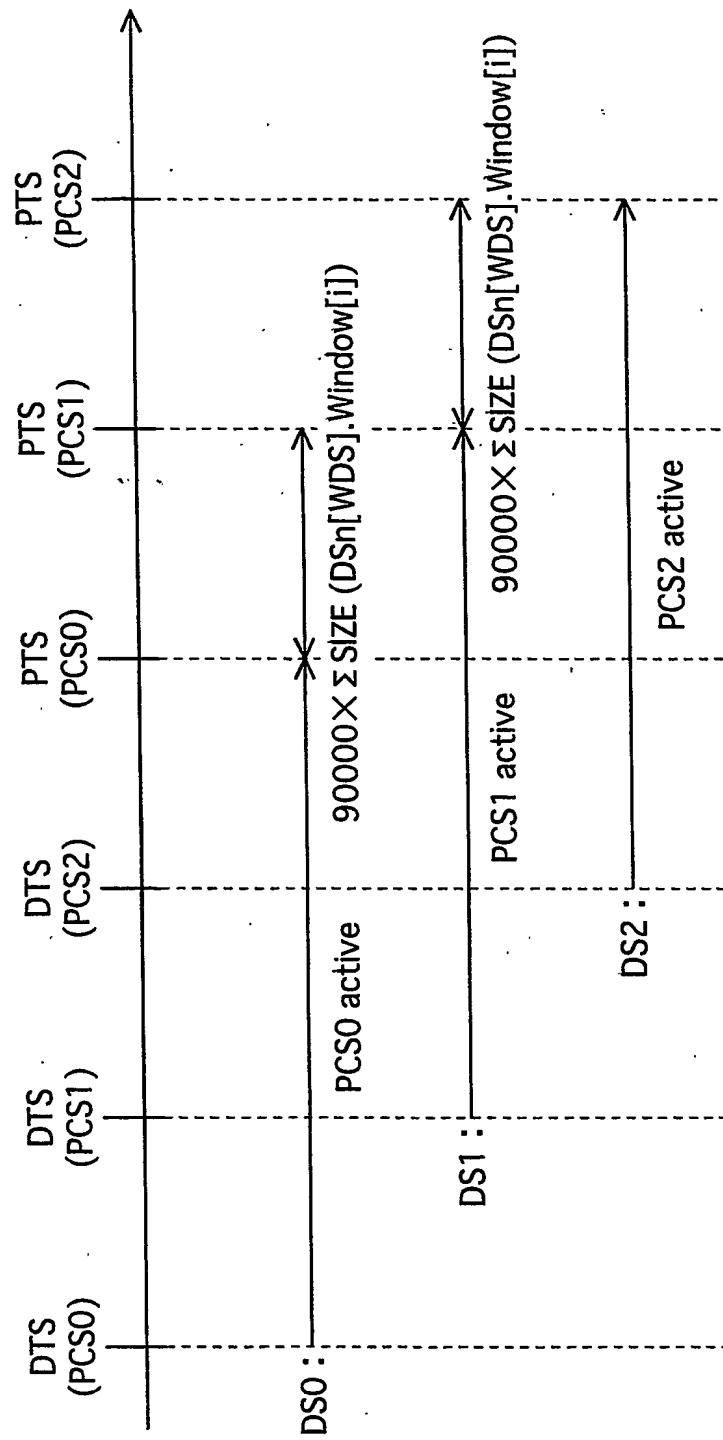


FIG.24



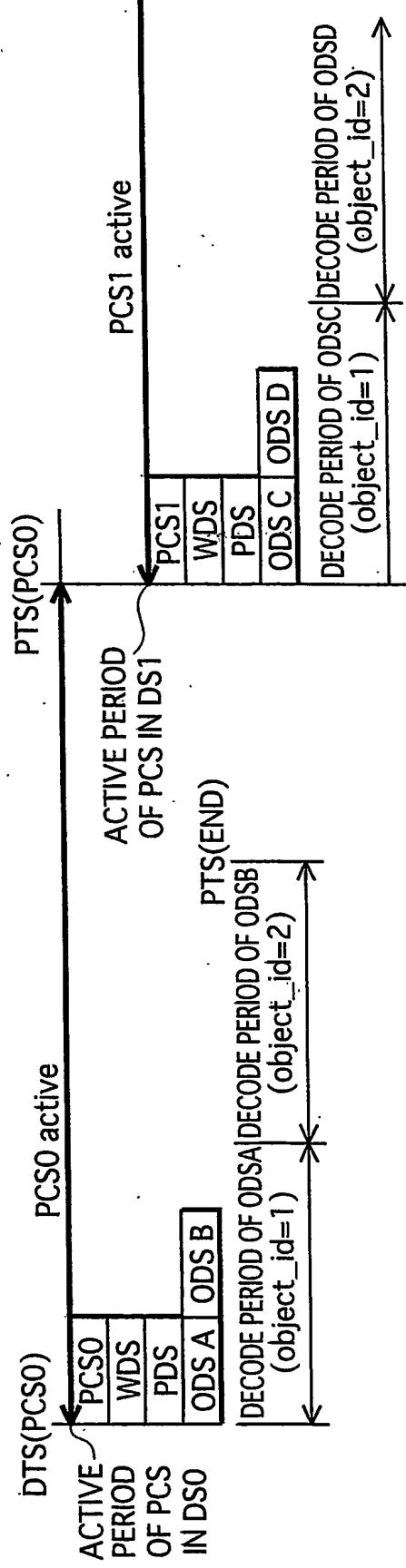
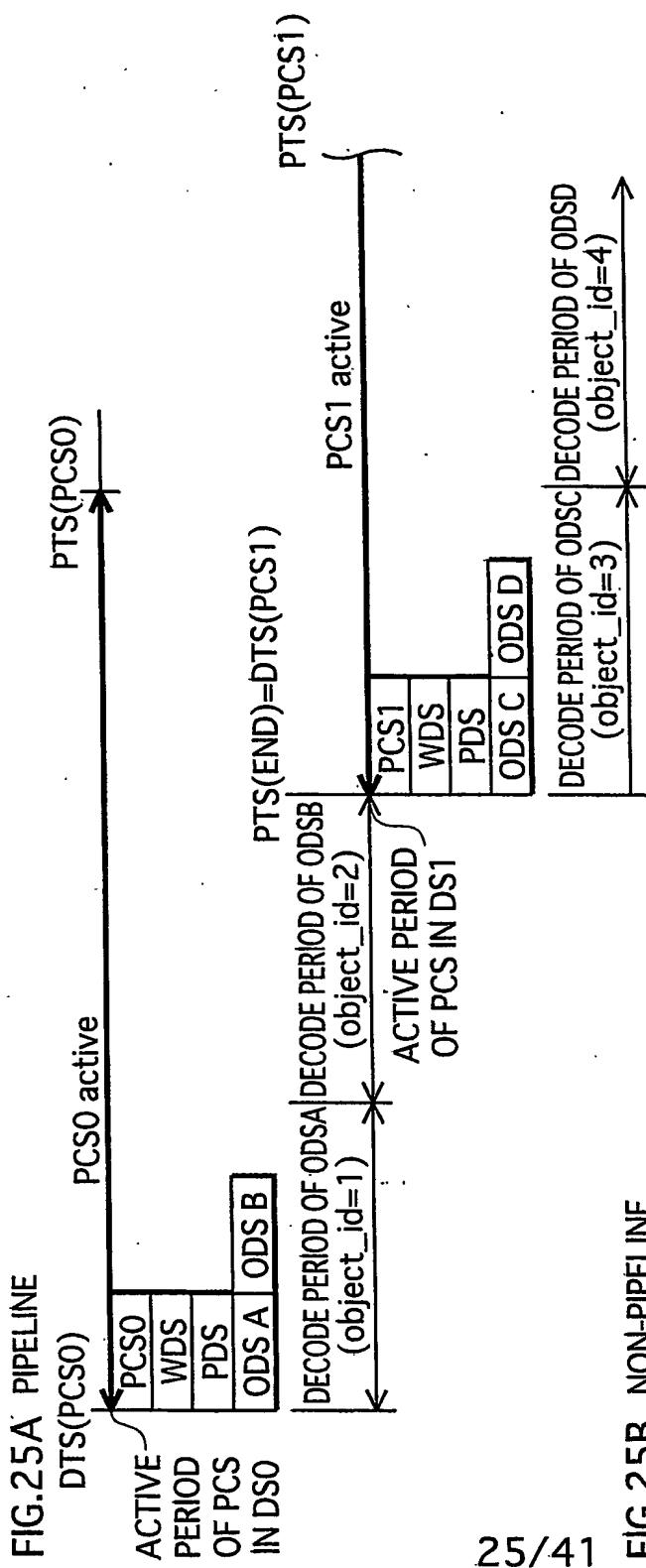


FIG.2.6

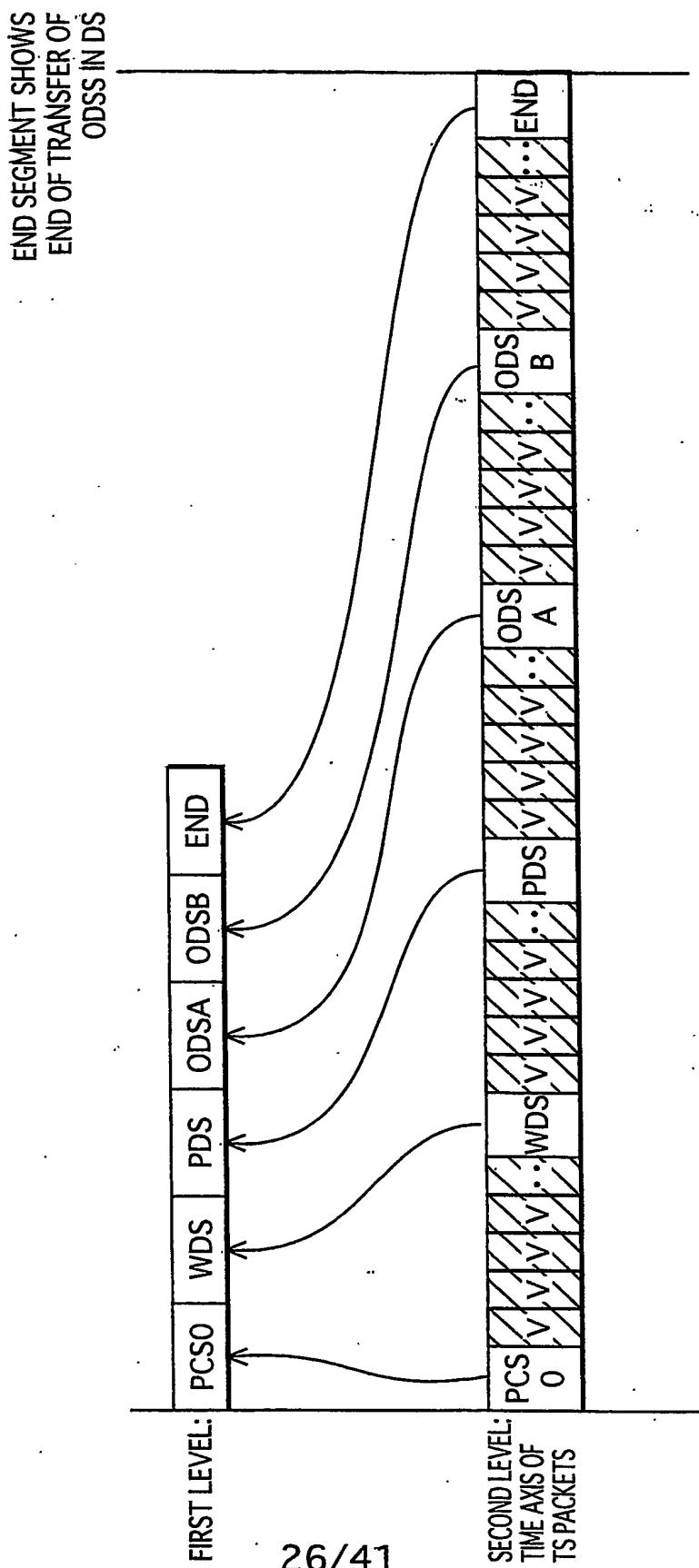


FIG.27A SCREEN COMPOSITION

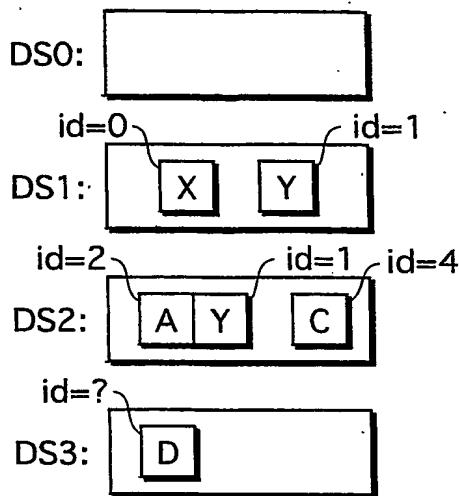


FIG.27B ACTIVE PERIOD OVERLAPPING AND ODS TRANSFER

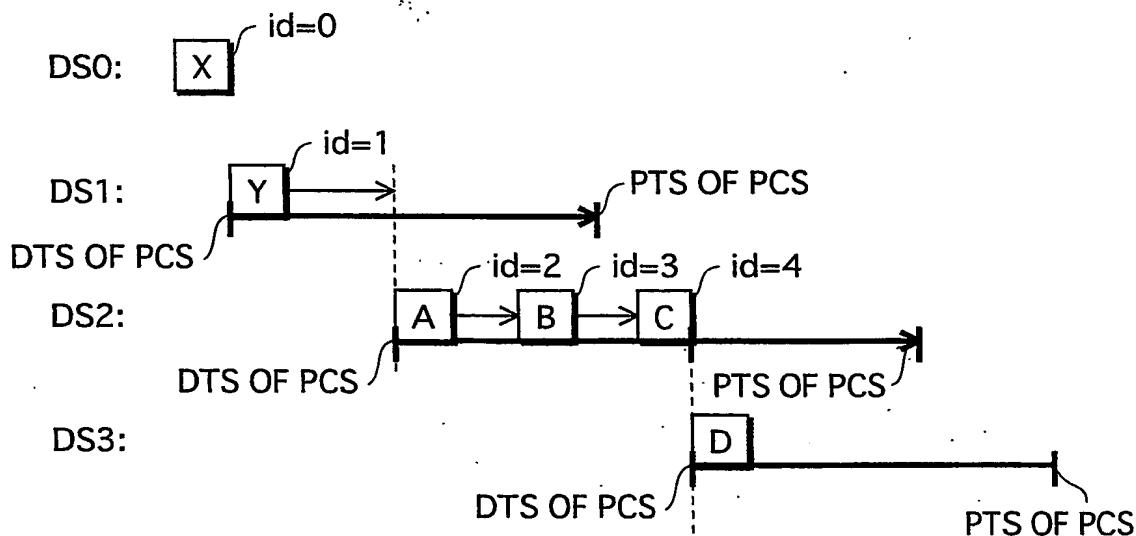


FIG.27C ARRANGEMENT IN OBJECT BUFFER

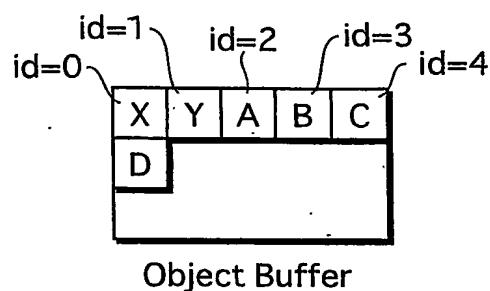


FIG.28

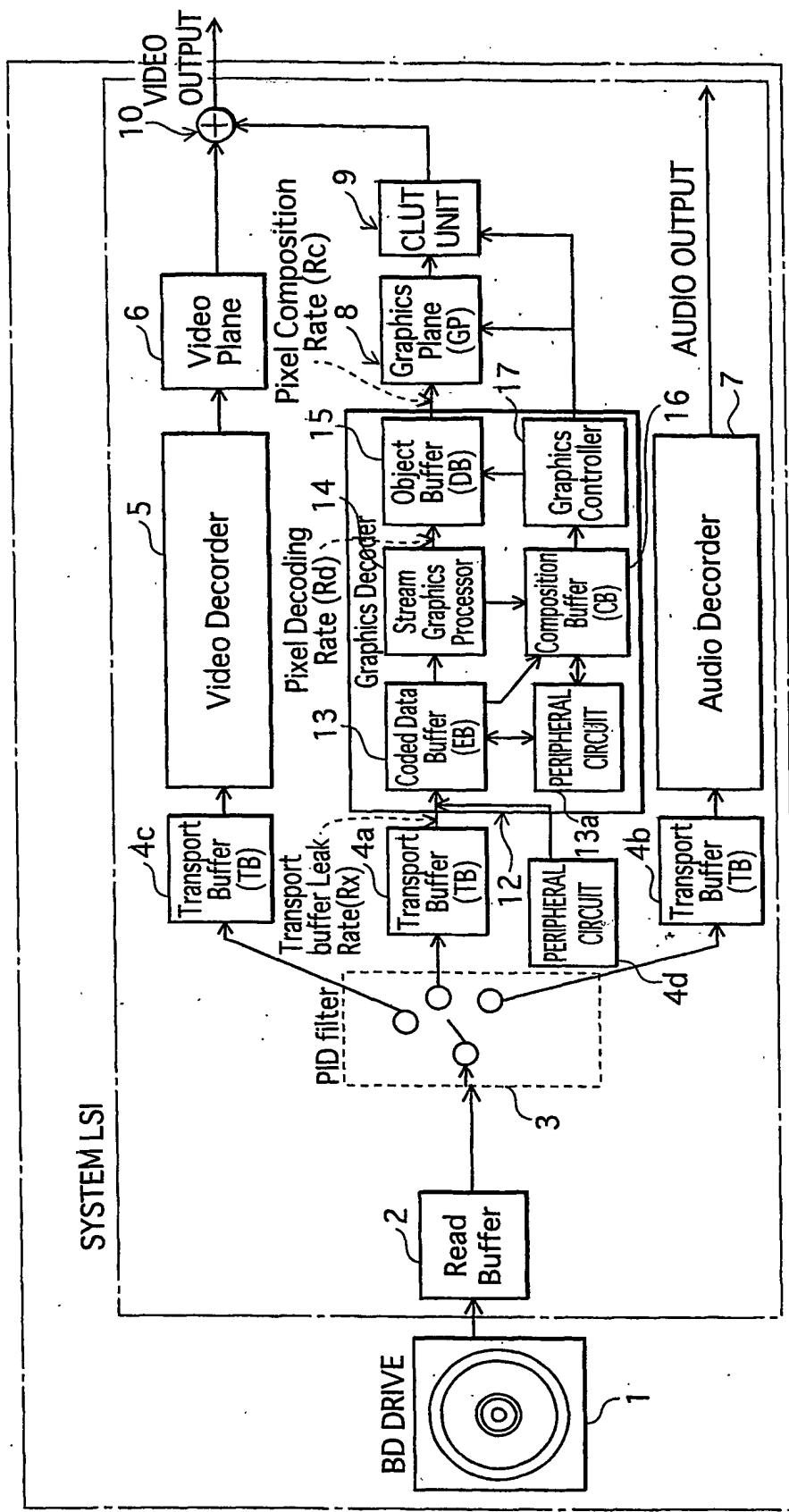
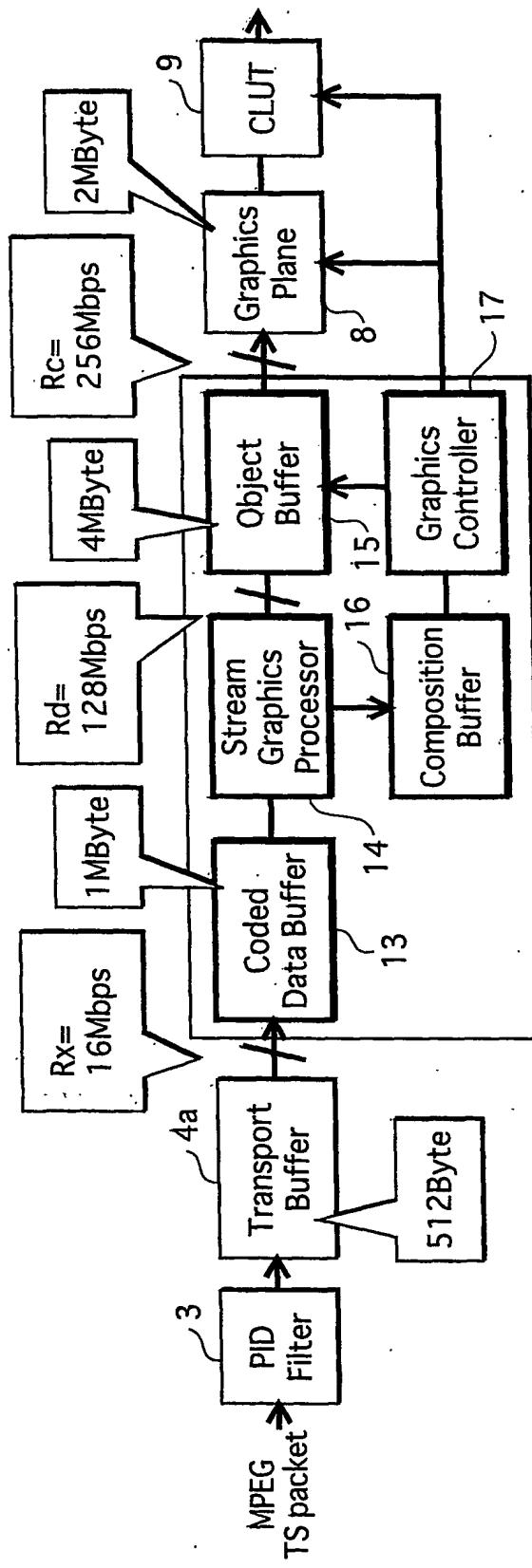
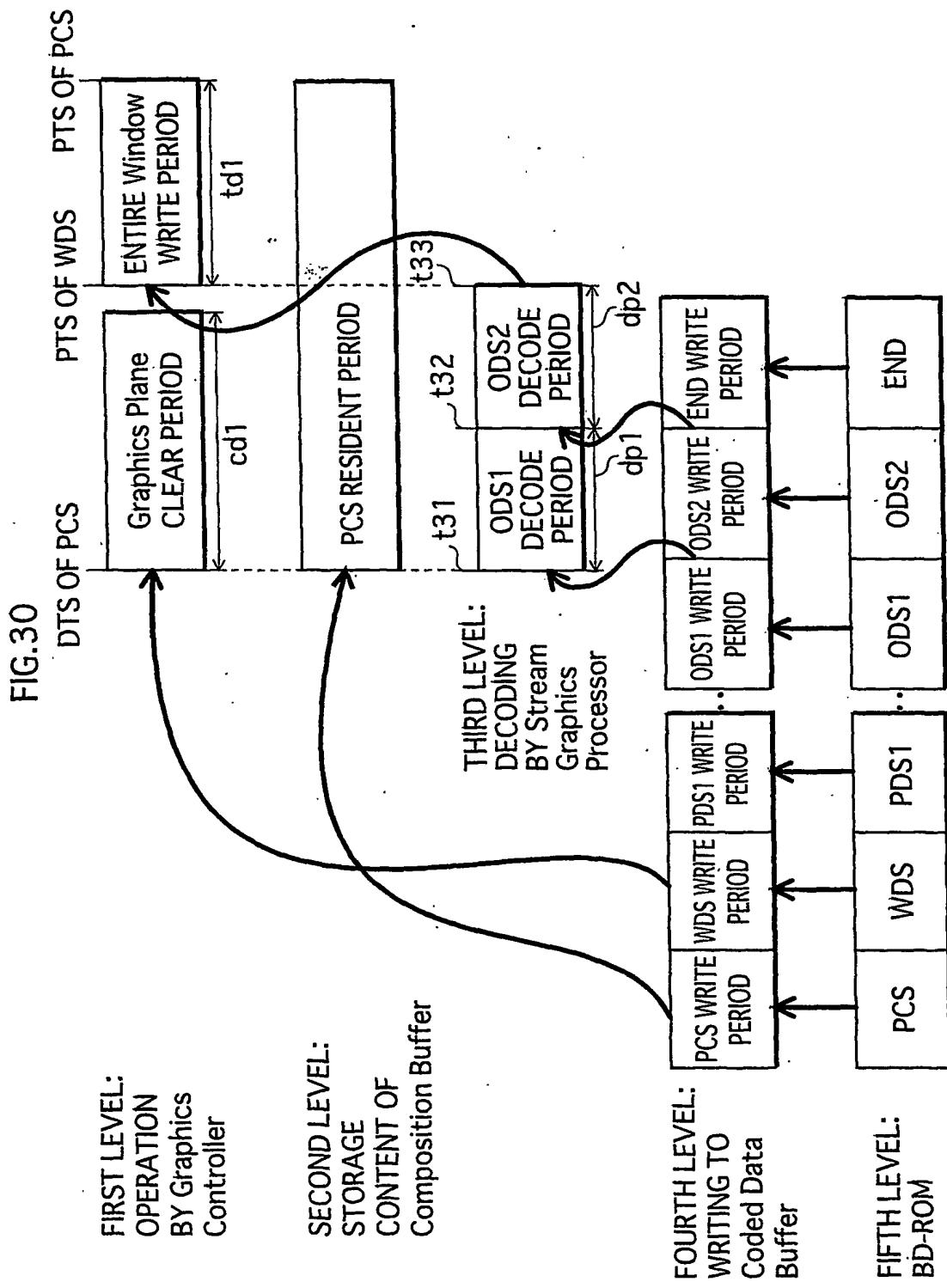
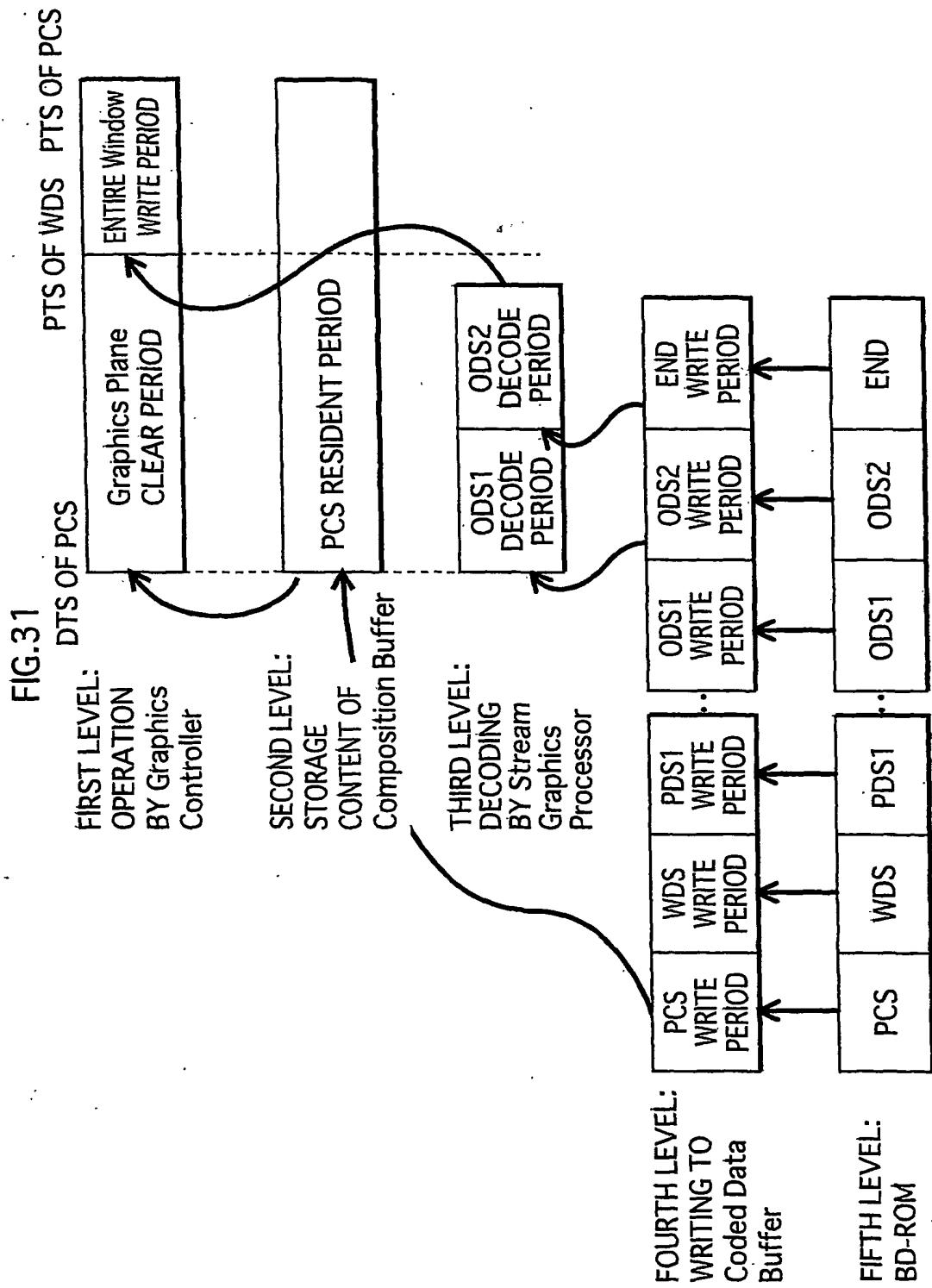


FIG.29







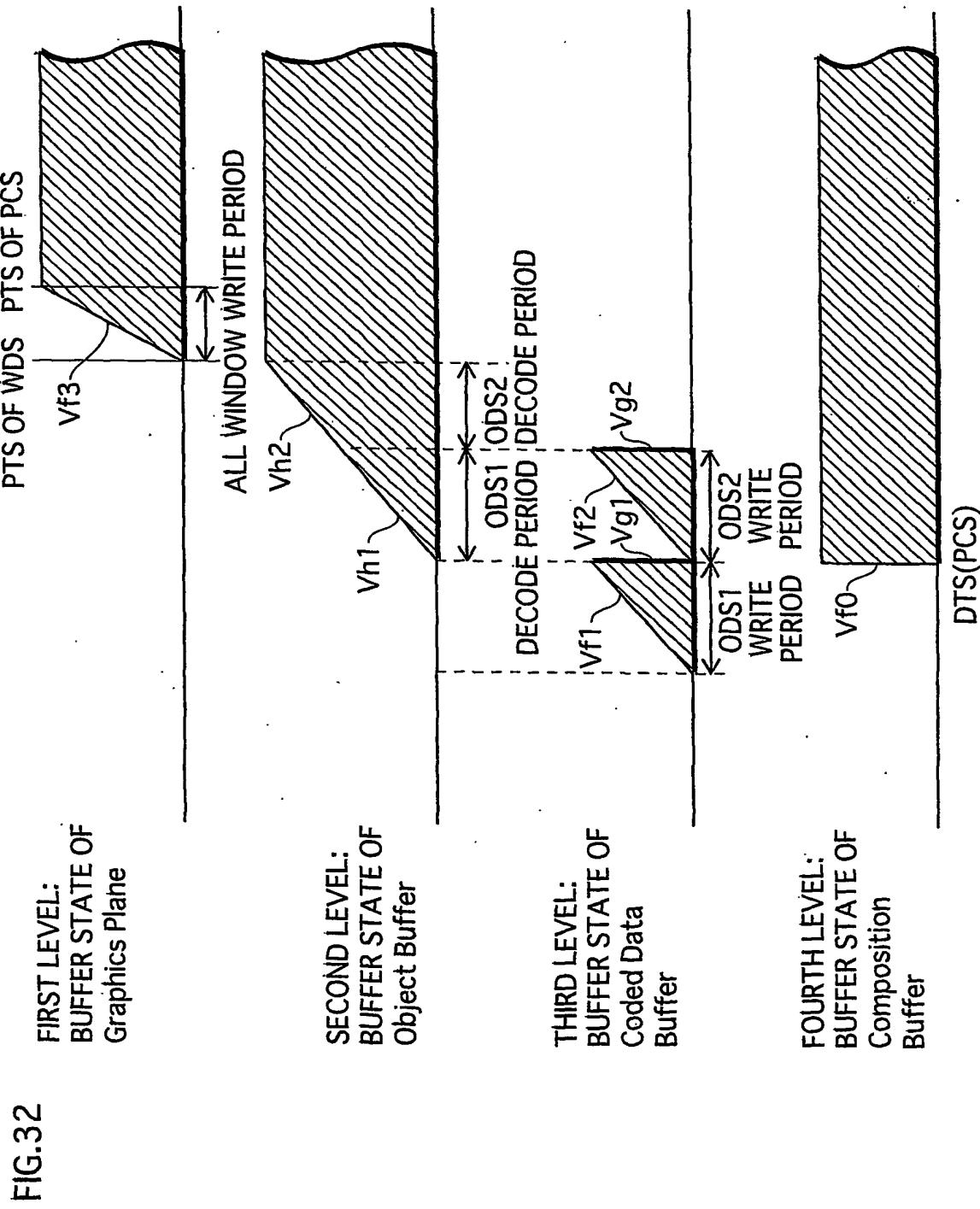
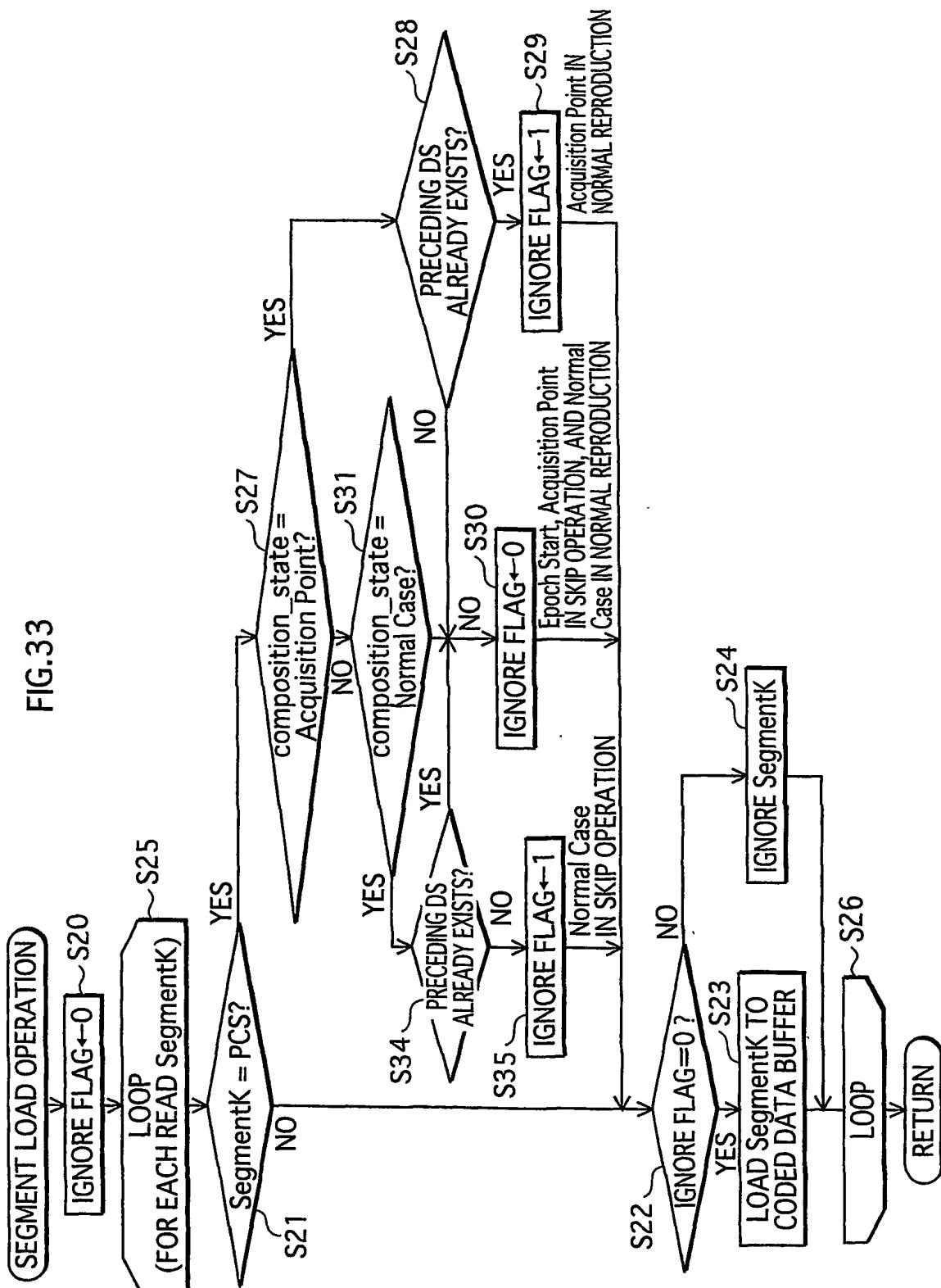


FIG. 33



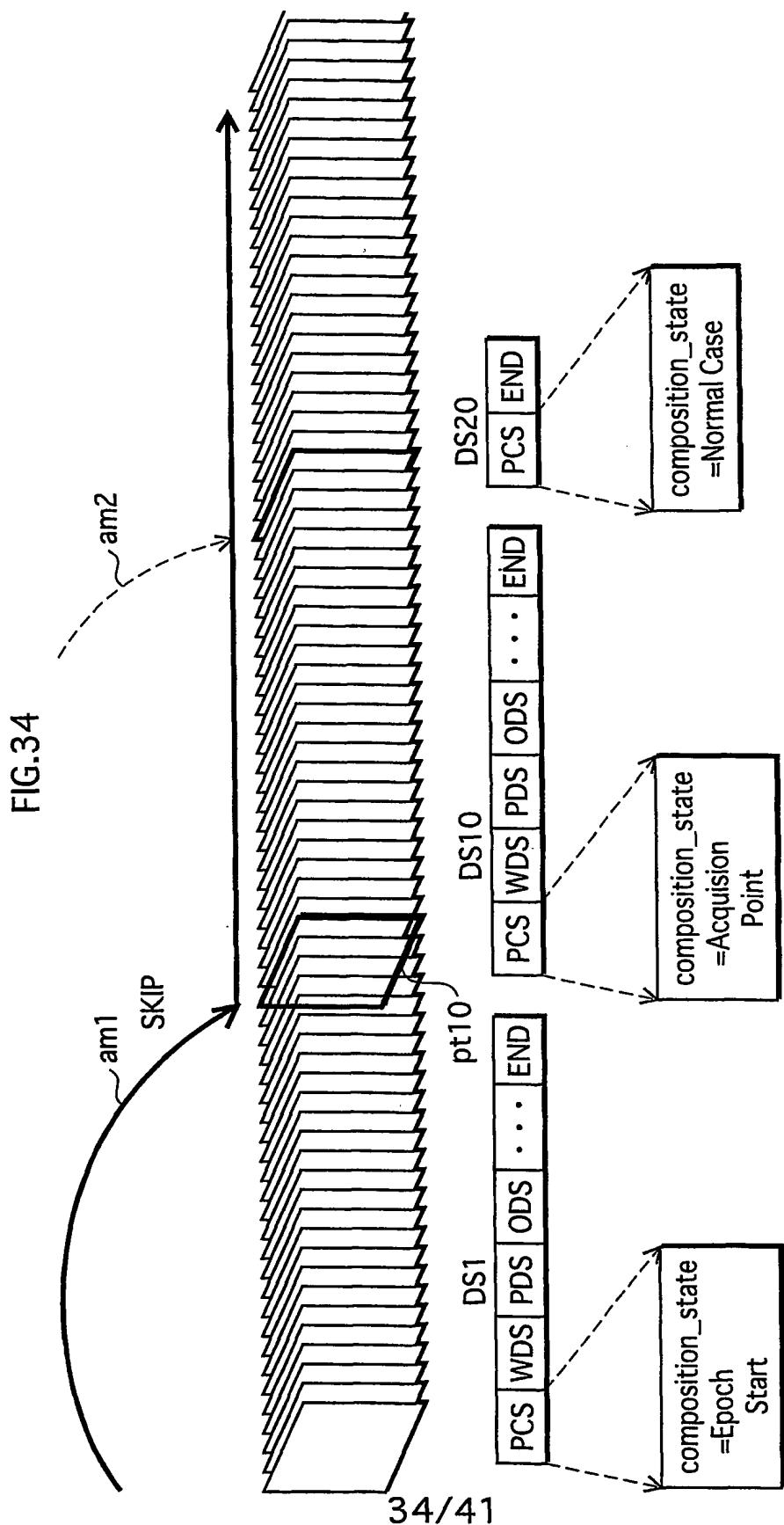


FIG. 35

## Coded Data Buffer in Reproduction Apparatus

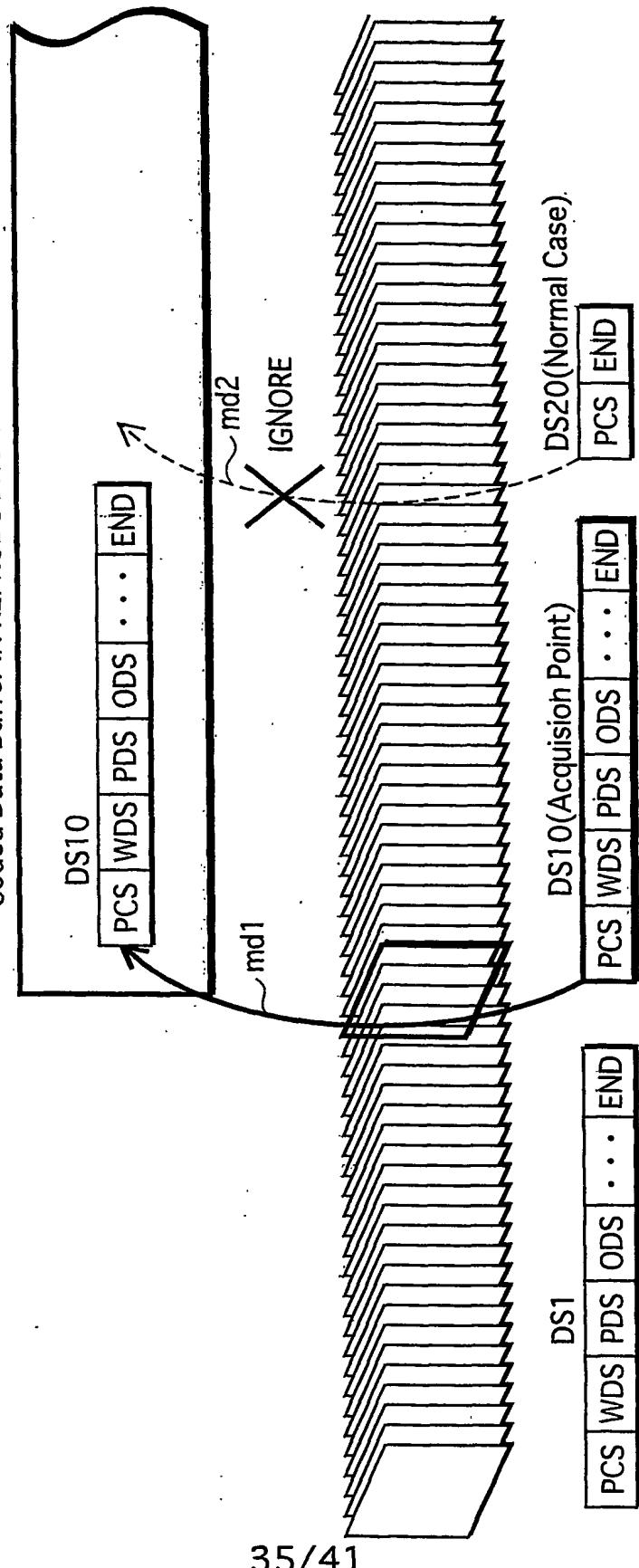


FIG.36

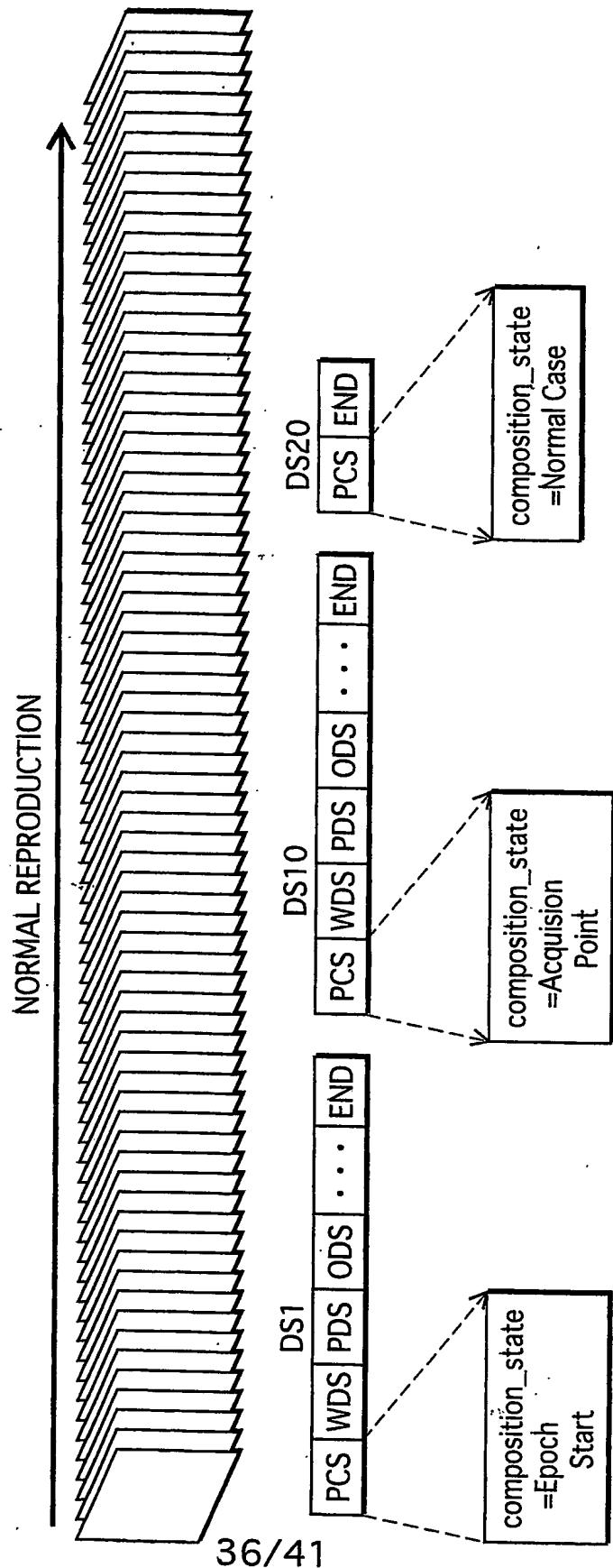


FIG.37  
Coded Data Buffer IN REPRODUCTION APPARATUS

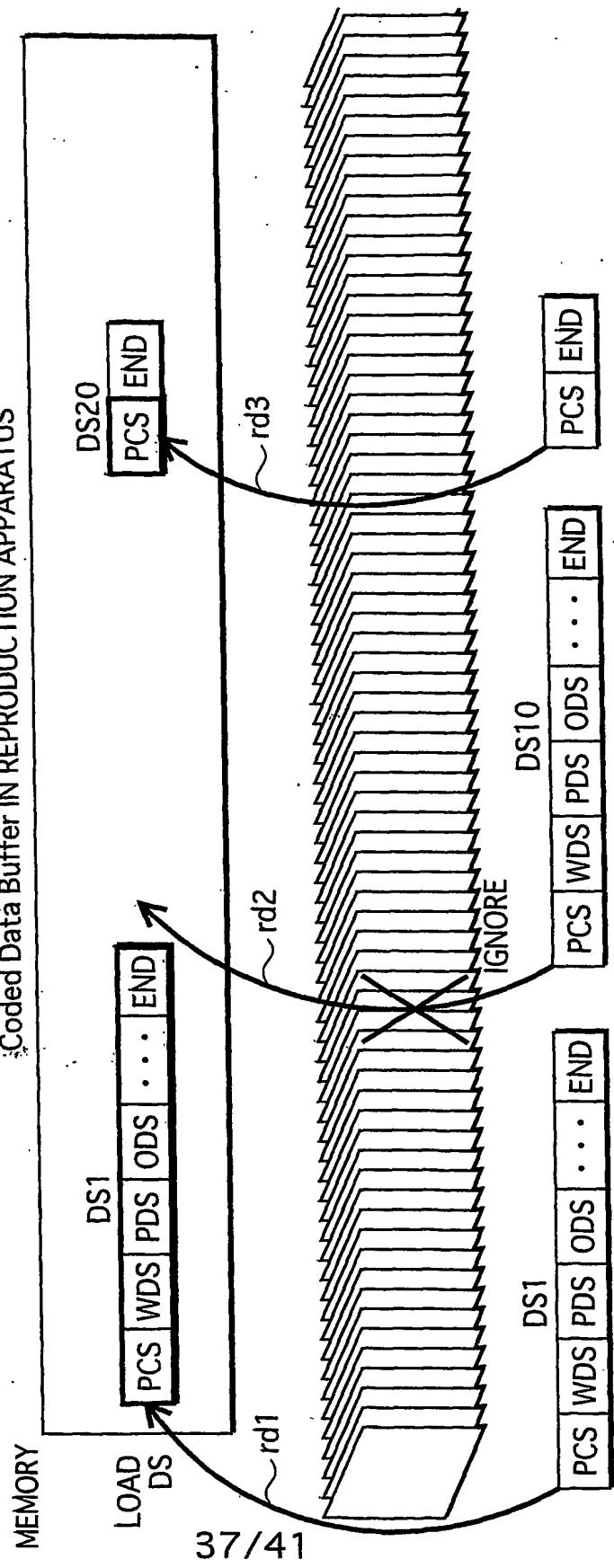


FIG.38

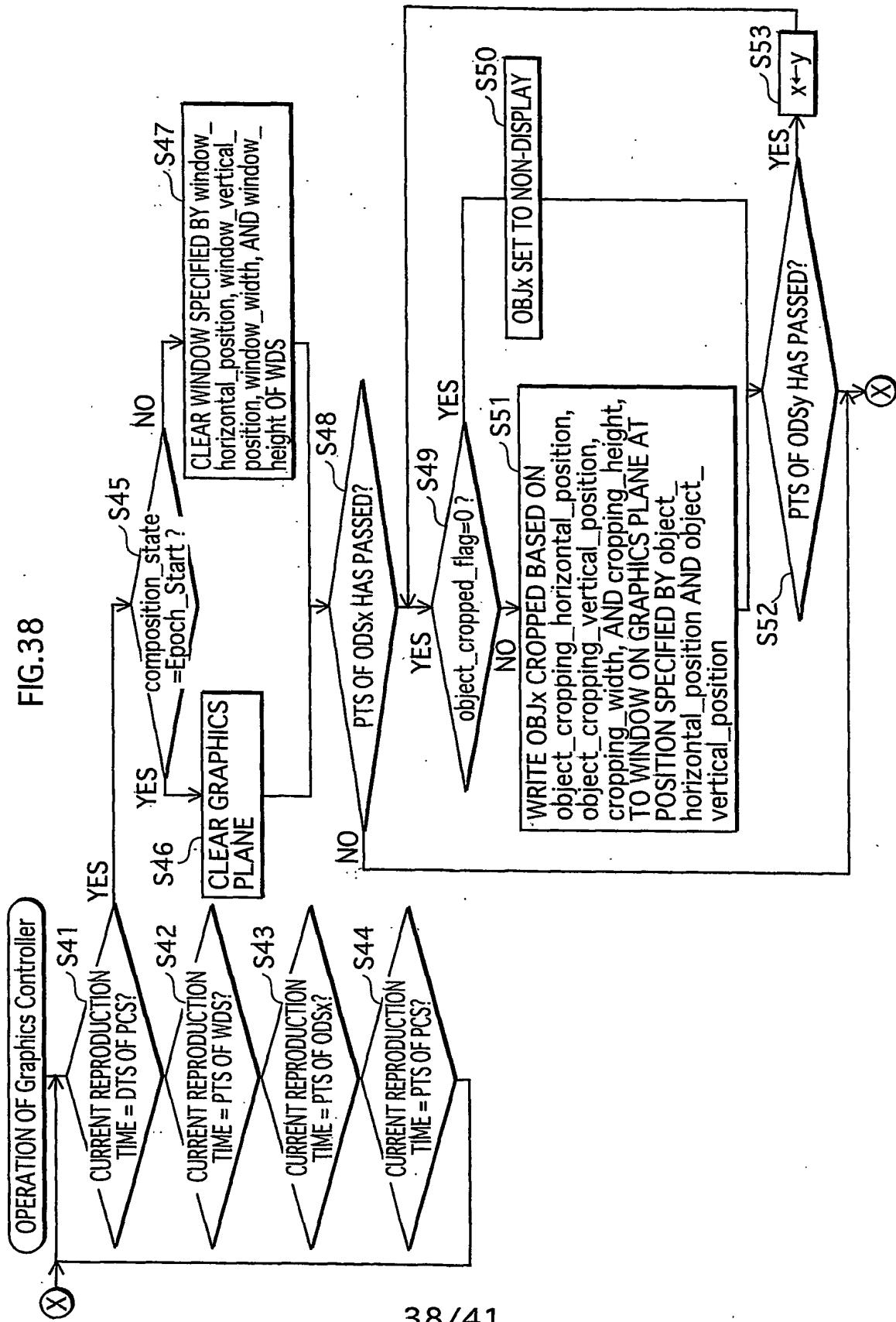


FIG. 39

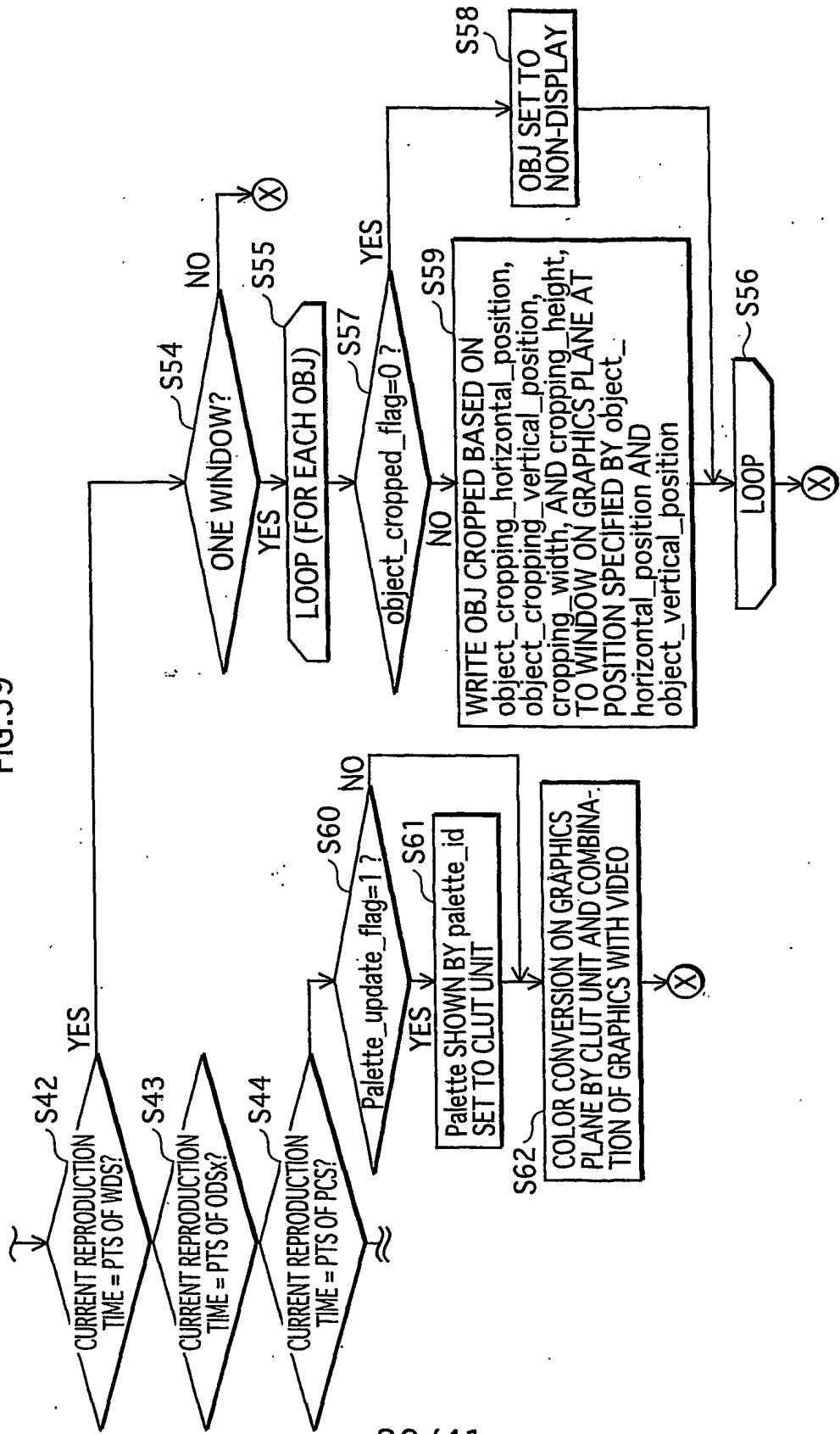


FIG.40

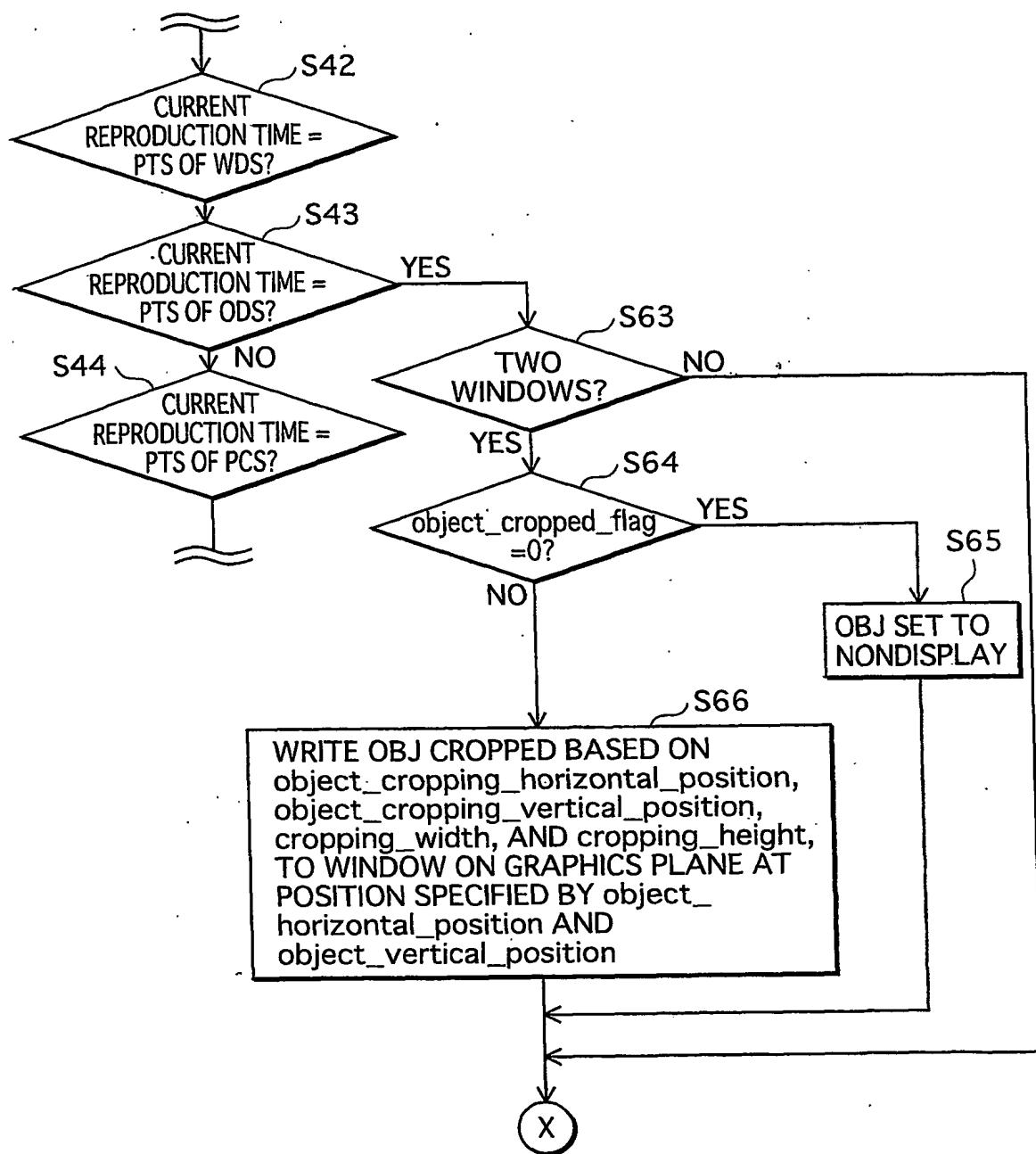


FIG. 41

